

**TWISTED  $q$ -CHARACTERS OF FUNDAMENTAL REPRESENTATIONS OF TYPE  $E_6^{(2)}$**

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Below twisted  $q$ -characters of the 4 fundamental representations of the twisted quantum affine algebra of type  $E_6^{(2)}$  are given. The method of computation is explained in the preprint :

**D. Hernandez**, *Kirillov-Reshetikhin conjecture : the general case*

Explicit formulas for fundamental representations of untwisted quantum affine algebras of type  $E_6^{(1)}$  were obtained with a computer program by Nakajima, and by Hernandez-Schedler. The result for type  $E_6^{(1)}$  from Hernandez-Schedler's program is available online :

<http://www.math.uvsq.fr/~hernandez/e6.pdf>

Let us list the result for type  $E_6^{(2)}$  :

Fundamental representation 1 (27 monomials and 27 dimensional) :

- Monomial 0:  $Z_{1,a}$
- Monomial 1:  $Z_{2,aq}Z_{1,aq^2}^{-1}$
- Monomial 2:  $Z_{3,a^2q^4}Z_{2,aq^3}^{-1}$
- Monomial 3:  $Z_{3,a^2q^8}^{-1}Z_{4,a^2q^6}Z_{2,-aq^3}$
- Monomial 4:  $Z_{4,a^2q^{10}}^{-1}Z_{2,-aq^3}$
- Monomial 5:  $Z_{4,a^2q^6}Z_{2,-aq^5}^{-1}Z_{1,-aq^4}$
- Monomial 6:  $Z_{3,a^2q^8}Z_{4,a^2q^{10}}^{-1}Z_{2,-aq^5}^{-1}Z_{1,-aq^4}$
- Monomial 7:  $Z_{4,a^2q^6}Z_{1,-aq^6}^{-1}$
- Monomial 8:  $Z_{3,a^2q^{12}}^{-1}Z_{2,aq^5}Z_{1,-aq^4}$
- Monomial 9:  $Z_{3,a^2q^9}Z_{4,a^2q^{10}}^{-1}Z_{1,-aq^6}^{-1}$
- Monomial 10:  $Z_{2,aq^7}^{-1}Z_{1,aq^6}Z_{1,-aq^4}$
- Monomial 11:  $Z_{3,a^2q^{12}}^{-1}Z_{2,aq^5}Z_{2,-aq^5}^{-1}Z_{1,-aq^6}^{-1}$
- Monomial 12:  $Z_{1,aq^8}^{-1}Z_{1,-aq^4}$
- Monomial 13:  $Z_{2,aq^7}^{-1}Z_{2,-aq^5}Z_{1,aq^6}^{-1}Z_{1,-aq^6}^{-1}$
- Monomial 14:  $Z_{2,aq^5}Z_{2,-aq^7}^{-1}$
- Monomial 15:  $Z_{2,-aq^5}Z_{1,aq^8}^{-1}Z_{1,-aq^6}^{-1}$
- Monomial 16:  $Z_{3,a^2q^{12}}Z_{2,aq^7}^{-1}Z_{2,-aq^7}^{-1}Z_{1,aq^6}$
- Monomial 17:  $Z_{3,a^2q^{12}}Z_{2,-aq^7}^{-1}Z_{1,aq^8}^{-1}$
- Monomial 18:  $Z_{3,a^2q^{16}}^{-1}Z_{4,a^2q^{14}}Z_{1,aq^6}$
- Monomial 19:  $Z_{3,a^2q^{16}}^{-1}Z_{4,a^2q^{14}}Z_{2,aq^7}^{-1}Z_{1,aq^8}^{-1}$
- Monomial 20:  $Z_{4,a^2q^{18}}^{-1}Z_{1,aq^6}$
- Monomial 21:  $Z_{4,a^2q^{18}}^{-1}Z_{2,aq^7}Z_{1,aq^8}^{-1}$
- Monomial 22:  $Z_{4,a^2q^{14}}Z_{2,aq^9}^{-1}$
- Monomial 23:  $Z_{3,a^2q^{16}}Z_{4,a^2q^{18}}^{-1}Z_{2,aq^9}^{-1}$
- Monomial 24:  $Z_{3,a^2q^{20}}^{-1}Z_{2,-aq^9}$

Monomial 25:  $Z_{2,-aq^{11}}^{-1} Z_{1,-aq^{10}}$

Monomial 26:  $Z_{1,-aq^{12}}^{-1}$

Fundamental representation 2 (351 monomials and 378 dimensional) :

Monomial 0:  $Z_{2,a}$

Monomial 1:  $Z_{3,a^2q^2} Z_{2,aq^2}^{-1} Z_{1,aq}$

Monomial 2:  $Z_{3,a^2q^6}^{-1} Z_{4,a^2q^4} Z_{2,-aq^2} Z_{1,aq}$

Monomial 3:  $Z_{3,a^2q^2} Z_{1,aq^3}^{-1}$

Monomial 4:  $Z_{4,a^2q^8}^{-1} Z_{2,-aq^2} Z_{1,aq}$

Monomial 5:  $Z_{4,a^2q^4} Z_{2,-aq^4}^{-1} Z_{1,aq} Z_{1,-aq^3}$

Monomial 6:  $Z_{3,a^2q^6}^{-1} Z_{4,a^2q^4} Z_{2,aq^2} Z_{2,-aq^2} Z_{1,aq^3}^{-1}$

Monomial 7:  $Z_{3,a^2q^6} Z_{4,a^2q^8}^{-1} Z_{2,-aq^4}^{-1} Z_{1,aq} Z_{1,-aq^3}$

Monomial 8:  $Z_{4,a^2q^8}^{-1} Z_{2,aq^2} Z_{2,-aq^2} Z_{1,aq^3}^{-1}$

Monomial 9:  $Z_{4,a^2q^4} Z_{2,aq^2} Z_{2,-aq^4}^{-1} Z_{1,aq^3}^{-1} Z_{1,-aq^3}$

Monomial 10:  $Z_{4,a^2q^4} Z_{1,aq} Z_{1,-aq^5}^{-1}$

Monomial 11:  $Z_{4,a^2q^4} Z_{2,aq^4}^{-1} Z_{2,-aq^2}$

Monomial 12:  $Z_{3,a^2q^{10}}^{-1} Z_{2,aq^4} Z_{1,aq} Z_{1,-aq^3}$

Monomial 13:  $Z_{3,a^2q^6} Z_{4,a^2q^8}^{-1} Z_{2,aq^2} Z_{2,-aq^4}^{-1} Z_{1,aq^3}^{-1} Z_{1,-aq^3}$

Monomial 14:  $Z_{3,a^2q^6} Z_{4,a^2q^8}^{-1} Z_{1,aq} Z_{1,-aq^5}^{-1}$

Monomial 15:  $Z_{3,a^2q^6} Z_{4,a^2q^8}^{-1} Z_{2,aq^4} Z_{2,-aq^2}$

Monomial 16:  $Z_{3,a^2q^6} Z_{4,a^2q^4} Z_{2,aq^4}^{-1} Z_{2,-aq^4}^{-1} Z_{1,-aq^3}$

Monomial 17:  $Z_{4,a^2q^4} Z_{2,aq^2} Z_{1,aq^3}^{-1} Z_{1,-aq^5}^{-1}$

Monomial 18:  $Z_{2,aq^6}^{-1} Z_{1,aq} Z_{1,aq^5} Z_{1,-aq^3}$

Monomial 19:  $Z_{3,a^2q^{10}}^{-1} Z_{2,aq^2} Z_{2,aq^4} Z_{1,aq^3}^{-1} Z_{1,-aq^3}$

Monomial 20:  $Z_{3,a^2q^{10}}^{-1} Z_{2,aq^4} Z_{2,-aq^4} Z_{1,aq} Z_{1,-aq^5}^{-1}$

Monomial 21:  $Z_{3,a^2q^6}^2 Z_{4,a^2q^8}^{-1} Z_{2,aq^4}^{-1} Z_{2,-aq^4}^{-1} Z_{1,-aq^3}$

Monomial 22:  $Z_{3,a^2q^6} Z_{4,a^2q^8}^{-1} Z_{2,aq^2} Z_{1,aq^3}^{-1} Z_{1,-aq^5}^{-1}$

Monomial 23:  $Z_{3,a^2q^{10}}^{-1} Z_{2,-aq^2} Z_{2,-aq^4}$

Monomial 24:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^4} Z_{4,a^2q^8} Z_{1,-aq^3}$

Monomial 25:  $Z_{3,a^2q^6} Z_{4,a^2q^4} Z_{2,aq^4}^{-1} Z_{1,-aq^5}^{-1}$

Monomial 26:  $Z_{1,aq} Z_{1,aq^7}^{-1} Z_{1,-aq^3}$

Monomial 27:  $Z_{2,aq^2} Z_{2,aq^6}^{-1} Z_{1,aq^3}^{-1} Z_{1,aq^5} Z_{1,-aq^3}$

Monomial 28:  $Z_{2,aq^6}^{-1} Z_{2,-aq^4} Z_{1,aq} Z_{1,aq^5} Z_{1,-aq^5}^{-1}$

Monomial 29:  $2Z_{3,a^2q^6} Z_{3,a^2q^{10}}^{-1} Z_{1,-aq^3}$

Monomial 30:  $Z_{3,a^2q^{10}}^{-1} Z_{2,aq^2} Z_{2,aq^4} Z_{2,-aq^4} Z_{1,aq^3}^{-1} Z_{1,-aq^5}^{-1}$

Monomial 31:  $Z_{2,aq^4} Z_{2,-aq^6}^{-1} Z_{1,aq}$

Monomial 32:  $Z_{3,a^2q^6}^2 Z_{4,a^2q^8}^{-1} Z_{2,aq^4}^{-1} Z_{1,-aq^5}^{-1}$

Monomial 33:  $Z_{2,-aq^2} Z_{2,-aq^6}^{-1} Z_{1,-aq^5}$

Monomial 34:  $Z_{4,a^2q^4} Z_{4,a^2q^{12}}^{-1} Z_{1,-aq^3}$

Monomial 35:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^4} Z_{4,a^2q^8} Z_{2,-aq^4} Z_{1,-aq^5}^{-1}$

Monomial 36:  $Z_{2,aq^2} Z_{1,aq^3}^{-1} Z_{1,aq^7}^{-1} Z_{1,-aq^3}$

Monomial 37:  $Z_{3,a^2q^6} Z_{2,aq^4}^{-1} Z_{2,aq^6}^{-1} Z_{1,aq^5} Z_{1,-aq^3}$

Monomial 38:  $Z_{3,a^2q^{10}}^{-2} Z_{4,a^2q^8} Z_{2,aq^4} Z_{2,-aq^4} Z_{1,-aq^3}$

Monomial 39:  $Z_{3,a^2q^6} Z_{2,-aq^4}^{-1} Z_{2,-aq^6}^{-1} Z_{1,-aq^3} Z_{1,-aq^5}$

Monomial 40:  $Z_{3,a^2q^6} Z_{4,a^2q^8}^{-1} Z_{4,a^2q^{12}}^{-1} Z_{1,-aq^3}$

- Monomial 41:  $Z_{2,-aq^4} Z_{1,aq} Z_{1,aq^7}^{-1} Z_{1,-aq^5}^{-1}$   
Monomial 42:  $Z_{2,aq^2} Z_{2,aq^6}^{-1} Z_{2,-aq^4} Z_{1,aq^3}^{-1} Z_{1,aq^5} Z_{1,-aq^5}^{-1}$   
Monomial 43:  $Z_{3,a^2q^{10}} Z_{2,aq^6}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq} Z_{1,aq^5}$   
Monomial 44:  $2Z_{3,a^2q^6} Z_{3,a^2q^{10}}^{-1} Z_{2,-aq^4} Z_{1,-aq^5}^{-1}$   
Monomial 45:  $Z_{2,aq^2} Z_{2,aq^4} Z_{2,-aq^6}^{-1} Z_{1,aq^3}^{-1}$   
Monomial 46:  $Z_{2,-aq^2} Z_{1,-aq^7}^{-1}$   
Monomial 47:  $Z_{4,a^2q^4} Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^4} Z_{1,-aq^5}^{-1}$   
Monomial 48:  $Z_{4,a^2q^4} Z_{4,a^2q^8} Z_{2,-aq^6}^{-1}$   
Monomial 49:  $Z_{2,aq^2} Z_{2,-aq^4} Z_{1,aq^3}^{-1} Z_{1,aq^7}^{-1} Z_{1,-aq^5}^{-1}$   
Monomial 50:  $Z_{3,a^2q^6} Z_{2,aq^4}^{-1} Z_{2,aq^6}^{-1} Z_{2,-aq^4} Z_{1,aq^5} Z_{1,-aq^5}^{-1}$   
Monomial 51:  $Z_{3,a^2q^{10}}^{-2} Z_{4,a^2q^8} Z_{2,aq^4} Z_{2,-aq^4} Z_{1,-aq^5}^{-1}$   
Monomial 52:  $Z_{3,a^2q^6} Z_{4,a^2q^8}^{-1} Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^4} Z_{1,-aq^5}^{-1}$   
Monomial 53:  $Z_{3,a^2q^6} Z_{2,aq^4}^{-1} Z_{1,aq^7}^{-1} Z_{1,-aq^3}$   
Monomial 54:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^8} Z_{2,aq^6}^{-1} Z_{2,-aq^4} Z_{1,aq^5} Z_{1,-aq^3}$   
Monomial 55:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^{12}}^{-1} Z_{2,aq^4} Z_{2,-aq^4} Z_{1,-aq^3}$   
Monomial 56:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^8} Z_{2,aq^4} Z_{2,-aq^6}^{-1} Z_{1,-aq^3} Z_{1,-aq^5}$   
Monomial 57:  $Z_{3,a^2q^6} Z_{2,-aq^4}^{-1} Z_{1,-aq^3} Z_{1,-aq^7}^{-1}$   
Monomial 58:  $2Z_{3,a^2q^6} Z_{2,-aq^6}^{-1}$   
Monomial 59:  $Z_{3,a^2q^{10}} Z_{2,-aq^6}^{-1} Z_{1,aq} Z_{1,aq^7}^{-1}$   
Monomial 60:  $Z_{3,a^2q^{10}} Z_{2,aq^2} Z_{2,aq^6}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^3}^{-1} Z_{1,aq^5}$   
Monomial 61:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{1,aq} Z_{1,aq^5}$   
Monomial 62:  $Z_{3,a^2q^{10}} Z_{4,a^2q^4} Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^6}^{-1}$   
Monomial 63:  $Z_{3,a^2q^6} Z_{1,-aq^5}^{-1} Z_{1,-aq^7}^{-1}$   
Monomial 64:  $Z_{3,a^2q^{10}} Z_{2,aq^2} Z_{2,-aq^6}^{-1} Z_{1,aq^3}^{-1} Z_{1,aq^7}^{-1}$   
Monomial 65:  $Z_{3,a^2q^6} Z_{3,a^2q^{10}} Z_{2,aq^4}^{-1} Z_{2,aq^6}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^5}$   
Monomial 66:  $Z_{3,a^2q^6} Z_{3,a^2q^{10}} Z_{4,a^2q^8}^{-1} Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^6}^{-1}$   
Monomial 67:  $Z_{3,a^2q^6} Z_{2,aq^4}^{-1} Z_{2,-aq^4} Z_{1,aq^7}^{-1} Z_{1,-aq^5}^{-1}$   
Monomial 68:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^8} Z_{2,aq^6}^{-1} Z_{2,-aq^4} Z_{1,aq^5} Z_{1,-aq^5}^{-1}$   
Monomial 69:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^{12}}^{-1} Z_{2,aq^4} Z_{2,-aq^4} Z_{1,-aq^5}^{-1}$   
Monomial 70:  $2Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^8} Z_{2,aq^4} Z_{2,-aq^4} Z_{2,-aq^6}^{-1}$   
Monomial 71:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^8} Z_{2,-aq^4} Z_{1,aq^7}^{-1} Z_{1,-aq^3}$   
Monomial 72:  $Z_{4,a^2q^{12}}^{-1} Z_{2,aq^6}^{-1} Z_{2,-aq^4} Z_{1,aq^5} Z_{1,-aq^3}$   
Monomial 73:  $Z_{4,a^2q^8} Z_{2,aq^6}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^5} Z_{1,-aq^3} Z_{1,-aq^5}$   
Monomial 74:  $Z_{4,a^2q^{12}}^{-1} Z_{2,aq^4} Z_{2,-aq^6}^{-1} Z_{1,-aq^3} Z_{1,-aq^5}$   
Monomial 75:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^8} Z_{2,aq^4} Z_{1,-aq^3} Z_{1,-aq^7}^{-1}$   
Monomial 76:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,aq^6} Z_{1,aq} Z_{1,aq^7}^{-1}$   
Monomial 77:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,aq^2} Z_{1,aq^3}^{-1} Z_{1,aq^5}$   
Monomial 78:  $Z_{4,a^2q^{16}}^{-1} Z_{1,aq} Z_{1,aq^5}$   
Monomial 79:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^4} Z_{2,aq^6}$   
Monomial 80:  $Z_{4,a^2q^8} Z_{2,aq^4} Z_{2,-aq^6}^{-1} Z_{1,-aq^5}$   
Monomial 81:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^8} Z_{2,aq^4} Z_{2,-aq^4} Z_{1,-aq^5}^{-1} Z_{1,-aq^7}^{-1}$   
Monomial 82:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,aq^2} Z_{2,aq^6} Z_{1,aq^3}^{-1} Z_{1,aq^7}^{-1}$   
Monomial 83:  $Z_{3,a^2q^6} Z_{3,a^2q^{10}} Z_{2,aq^4}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^7}^{-1}$   
Monomial 84:  $Z_{3,a^2q^6} Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,aq^4}^{-1} Z_{1,aq^5}$

- Monomial 85:  $2Z_{4,a^2q^8}Z_{2,aq^6}^{-1}Z_{2,-aq^4}Z_{2,-aq^6}^{-1}Z_{1,aq^5}$   
Monomial 86:  $Z_{3,a^2q^6}Z_{3,a^2q^{14}}^{-1}Z_{4,a^2q^8}^{-1}Z_{2,aq^6}$   
Monomial 87:  $2Z_{4,a^2q^{12}}^{-1}Z_{2,aq^4}Z_{2,-aq^4}Z_{2,-aq^6}^{-1}$   
Monomial 88:  $Z_{3,a^2q^{10}}^{-1}Z_{4,a^2q^8}Z_{2,-aq^4}^2Z_{1,aq^7}^{-1}Z_{1,-aq^5}^{-1}$   
Monomial 89:  $Z_{4,a^2q^{12}}^{-1}Z_{2,aq^6}Z_{2,-aq^4}^2Z_{1,aq^5}Z_{1,-aq^5}^{-1}$   
Monomial 90:  $Z_{4,a^2q^{12}}^{-1}Z_{2,-aq^4}Z_{1,aq^7}^{-1}Z_{1,-aq^3}$   
Monomial 91:  $Z_{4,a^2q^8}Z_{2,-aq^6}^{-1}Z_{1,aq^7}^{-1}Z_{1,-aq^3}Z_{1,-aq^5}$   
Monomial 92:  $Z_{3,a^2q^{10}}Z_{4,a^2q^{12}}^{-1}Z_{2,aq^6}^{-1}Z_{2,-aq^6}^{-1}Z_{1,aq^5}Z_{1,-aq^3}Z_{1,-aq^5}$   
Monomial 93:  $Z_{4,a^2q^8}Z_{2,aq^6}^{-1}Z_{1,aq^5}Z_{1,-aq^3}Z_{1,-aq^7}^{-1}$   
Monomial 94:  $Z_{4,a^2q^{12}}^{-1}Z_{2,aq^4}Z_{1,-aq^3}Z_{1,-aq^7}^{-1}$   
Monomial 95:  $Z_{4,a^2q^{16}}^{-1}Z_{2,aq^6}Z_{1,aq}Z_{1,aq^7}^{-1}$   
Monomial 96:  $Z_{4,a^2q^{12}}Z_{2,aq^8}^{-1}Z_{1,aq}$   
Monomial 97:  $Z_{4,a^2q^{16}}^{-1}Z_{2,aq^2}Z_{1,aq^3}^{-1}Z_{1,aq^5}$   
Monomial 98:  $Z_{4,a^2q^4}Z_{2,aq^8}^{-1}Z_{1,aq^7}$   
Monomial 99:  $Z_{3,a^2q^{10}}^{-1}Z_{3,a^2q^{14}}^{-1}Z_{4,a^2q^8}Z_{4,a^2q^{12}}Z_{2,-aq^4}Z_{1,aq^5}$   
Monomial 100:  $Z_{3,a^2q^{10}}Z_{3,a^2q^{14}}^{-1}Z_{2,aq^4}Z_{2,aq^6}Z_{2,-aq^4}$   
Monomial 101:  $Z_{3,a^2q^{10}}Z_{4,a^2q^8}Z_{2,aq^6}^{-1}Z_{2,-aq^6}^{-2}Z_{1,aq^5}Z_{1,-aq^5}$   
Monomial 102:  $Z_{3,a^2q^{10}}Z_{4,a^2q^{12}}^{-1}Z_{2,aq^4}Z_{2,-aq^6}^{-2}Z_{1,-aq^5}$   
Monomial 103:  $Z_{4,a^2q^8}Z_{2,aq^6}^{-1}Z_{2,-aq^4}Z_{1,aq^5}Z_{1,-aq^5}^{-1}Z_{1,-aq^7}^{-1}$   
Monomial 104:  $Z_{4,a^2q^{12}}^{-1}Z_{2,aq^4}Z_{2,-aq^4}Z_{1,-aq^5}^{-1}Z_{1,-aq^7}^{-1}$   
Monomial 105:  $Z_{4,a^2q^{16}}^{-1}Z_{2,aq^2}Z_{2,aq^6}Z_{1,aq^3}^{-1}Z_{1,aq^7}^{-1}$   
Monomial 106:  $Z_{4,a^2q^8}Z_{2,aq^4}Z_{2,-aq^6}^{-1}Z_{1,-aq^7}^{-1}$   
Monomial 107:  $Z_{4,a^2q^{12}}Z_{2,aq^2}Z_{2,aq^8}^{-1}Z_{1,aq^3}^{-1}$   
Monomial 108:  $Z_{3,a^2q^6}Z_{3,a^2q^{14}}^{-1}Z_{4,a^2q^{12}}Z_{2,aq^4}^{-1}Z_{2,aq^6}Z_{1,aq^7}^{-1}$   
Monomial 109:  $2Z_{4,a^2q^8}Z_{2,-aq^4}Z_{2,-aq^6}^{-1}Z_{1,aq^7}$   
Monomial 110:  $Z_{3,a^2q^6}Z_{4,a^2q^{16}}^{-1}Z_{2,aq^4}^{-1}Z_{1,aq^5}$   
Monomial 111:  $2Z_{3,a^2q^{10}}Z_{4,a^2q^{12}}^{-1}Z_{2,aq^6}^{-1}Z_{2,-aq^4}Z_{2,-aq^6}^{-1}Z_{1,aq^5}$   
Monomial 112:  $Z_{3,a^2q^6}Z_{4,a^2q^8}Z_{2,aq^8}^{-1}Z_{1,aq^7}$   
Monomial 113:  $Z_{4,a^2q^{12}}^{-1}Z_{2,-aq^4}^2Z_{1,aq^7}^{-1}Z_{1,-aq^5}^{-1}$   
Monomial 114:  $Z_{3,a^2q^{10}}Z_{4,a^2q^{12}}^{-1}Z_{2,-aq^6}Z_{1,aq^7}^{-1}Z_{1,-aq^3}Z_{1,-aq^5}$   
Monomial 115:  $Z_{4,a^2q^8}Z_{1,aq^7}^{-1}Z_{1,-aq^3}Z_{1,-aq^7}^{-1}$   
Monomial 116:  $Z_{3,a^2q^{14}}^{-1}Z_{1,aq^5}Z_{1,-aq^3}Z_{1,-aq^5}$   
Monomial 117:  $Z_{3,a^2q^{10}}Z_{4,a^2q^{12}}^{-1}Z_{2,aq^6}^{-1}Z_{1,aq^5}Z_{1,-aq^3}Z_{1,-aq^7}^{-1}$   
Monomial 118:  $Z_{3,a^2q^{14}}Z_{4,a^2q^{16}}^{-1}Z_{2,aq^8}Z_{1,aq}$   
Monomial 119:  $Z_{4,a^2q^4}Z_{1,aq^9}^{-1}$   
Monomial 120:  $Z_{3,a^2q^6}Z_{4,a^2q^{12}}Z_{2,aq^4}^{-1}Z_{2,aq^8}^{-1}$   
Monomial 121:  $Z_{3,a^2q^{10}}^{-1}Z_{3,a^2q^{14}}^{-1}Z_{4,a^2q^8}Z_{4,a^2q^{12}}Z_{2,aq^6}Z_{2,-aq^4}Z_{1,aq^7}^{-1}$   
Monomial 122:  $Z_{3,a^2q^{10}}Z_{4,a^2q^8}Z_{2,-aq^6}^{-2}Z_{1,aq^7}^{-1}Z_{1,-aq^5}$   
Monomial 123:  $Z_{3,a^2q^{10}}^2Z_{4,a^2q^{12}}^{-1}Z_{2,aq^6}^{-1}Z_{2,-aq^6}^{-2}Z_{1,aq^5}Z_{1,-aq^5}$   
Monomial 124:  $Z_{4,a^2q^8}Z_{2,-aq^4}Z_{1,aq^7}^{-1}Z_{1,-aq^5}Z_{1,-aq^7}^{-1}$   
Monomial 125:  $Z_{3,a^2q^{10}}Z_{4,a^2q^{12}}^{-1}Z_{2,aq^6}^{-1}Z_{2,-aq^4}Z_{1,aq^5}Z_{1,-aq^5}^{-1}Z_{1,-aq^7}^{-1}$   
Monomial 126:  $Z_{3,a^2q^{10}}^{-1}Z_{4,a^2q^8}Z_{4,a^2q^{16}}^{-1}Z_{2,-aq^4}Z_{1,aq^5}$   
Monomial 127:  $2Z_{3,a^2q^{14}}^{-1}Z_{2,-aq^4}Z_{1,aq^5}$   
Monomial 128:  $Z_{3,a^2q^{14}}^{-1}Z_{4,a^2q^8}Z_{4,a^2q^{12}}Z_{2,-aq^6}Z_{1,aq^5}Z_{1,-aq^5}$

- Monomial 129:  $Z_{3,a^2q^{10}}^{-1} Z_{2,aq^4} Z_{2,aq^8}^{-1} Z_{2,-aq^4} Z_{1,aq^7}$
- Monomial 130:  $Z_{3,a^2q^{14}}^{-1} Z_{2,aq^4} Z_{2,aq^6} Z_{2,-aq^6}^{-1} Z_{1,-aq^5}$
- Monomial 131:  $Z_{3,a^2q^{10}} Z_{4,a^2q^8} Z_{2,aq^6}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^5} Z_{1,-aq^7}^{-1}$
- Monomial 132:  $Z_{3,a^2q^{10}} Z_{4,a^2q^{12}}^{-1} Z_{2,aq^4} Z_{2,-aq^6}^{-1} Z_{1,-aq^7}^{-1}$
- Monomial 133:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^2} Z_{2,aq^8}^{-1} Z_{1,aq^3}^{-1}$
- Monomial 134:  $Z_{3,a^2q^6} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^4} Z_{2,aq^6} Z_{1,aq^7}^{-1}$
- Monomial 135:  $2Z_{3,a^2q^{10}} Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^4} Z_{2,-aq^6}^{-1} Z_{1,aq^7}^{-1}$
- Monomial 136:  $Z_{3,a^2q^6} Z_{4,a^2q^8}^{-1} Z_{1,aq^9}^{-1}$
- Monomial 137:  $Z_{3,a^2q^{14}}^{-1} Z_{2,aq^6} Z_{1,aq^7}^{-1} Z_{1,-aq^3} Z_{1,-aq^5}$
- Monomial 138:  $Z_{3,a^2q^{10}} Z_{4,a^2q^{12}}^{-1} Z_{1,aq^7}^{-1} Z_{1,-aq^3} Z_{1,-aq^7}^{-1}$
- Monomial 139:  $Z_{3,a^2q^{14}}^{-1} Z_{2,-aq^6} Z_{1,aq^5} Z_{1,-aq^3} Z_{1,-aq^7}^{-1}$
- Monomial 140:  $Z_{3,a^2q^{18}}^{-1} Z_{2,-aq^8} Z_{1,aq}$
- Monomial 141:  $Z_{4,a^2q^{12}}^{-1} Z_{4,a^2q^{16}}^{-1} Z_{2,-aq^4} Z_{1,aq^5}$
- Monomial 142:  $Z_{2,aq^6}^{-1} Z_{2,aq^8}^{-1} Z_{2,-aq^4} Z_{1,aq^5} Z_{1,aq^7}$
- Monomial 143:  $Z_{3,a^2q^6} Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^4}^{-1} Z_{2,aq^8}^{-1}$
- Monomial 144:  $Z_{3,a^2q^{10}}^2 Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^7}^{-1} Z_{1,-aq^5}$
- Monomial 145:  $Z_{3,a^2q^{10}} Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^4} Z_{1,aq^7}^{-1} Z_{1,-aq^5} Z_{1,-aq^7}^{-1}$
- Monomial 146:  $Z_{3,a^2q^{14}}^{-1} Z_{2,-aq^4} Z_{2,-aq^6} Z_{1,aq^5} Z_{1,-aq^5}^{-1} Z_{1,-aq^7}^{-1}$
- Monomial 147:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^8} Z_{4,a^2q^{12}}^{-1} Z_{2,aq^8}^{-1} Z_{2,-aq^4}$
- Monomial 148:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^8} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6} Z_{2,-aq^4} Z_{1,aq^7}^{-1}$
- Monomial 149:  $2Z_{3,a^2q^{14}}^{-1} Z_{2,aq^6} Z_{2,-aq^4} Z_{1,aq^7}^{-1}$
- Monomial 150:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^8} Z_{4,a^2q^{12}} Z_{2,aq^6} Z_{2,-aq^6}^{-1} Z_{1,aq^7}^{-1} Z_{1,-aq^5}$
- Monomial 151:  $Z_{3,a^2q^{10}} Z_{4,a^2q^8} Z_{2,-aq^6}^{-1} Z_{1,aq^7}^{-1} Z_{1,-aq^7}^{-1}$
- Monomial 152:  $2Z_{3,a^2q^{10}} Z_{3,a^2q^{14}}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^5} Z_{1,-aq^5}$
- Monomial 153:  $Z_{3,a^2q^{10}}^2 Z_{4,a^2q^{12}}^{-1} Z_{2,aq^6}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^5} Z_{1,-aq^7}^{-1}$
- Monomial 154:  $Z_{4,a^2q^8} Z_{4,a^2q^{16}}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^5} Z_{1,-aq^5}$
- Monomial 155:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^8} Z_{4,a^2q^{12}} Z_{1,aq^5} Z_{1,-aq^7}^{-1}$
- Monomial 156:  $Z_{2,aq^4} Z_{2,aq^8}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^7} Z_{1,-aq^5}$
- Monomial 157:  $Z_{3,a^2q^{10}}^{-1} Z_{2,aq^4} Z_{2,-aq^4} Z_{1,aq^9}^{-1}$
- Monomial 158:  $Z_{3,a^2q^{14}}^{-1} Z_{2,aq^4} Z_{2,aq^6} Z_{1,-aq^7}^{-1}$
- Monomial 159:  $Z_{3,a^2q^{18}}^{-1} Z_{2,aq^2} Z_{2,-aq^8} Z_{1,aq^3}^{-1}$
- Monomial 160:  $Z_{2,aq^8}^{-1} Z_{1,-aq^3} Z_{1,-aq^5}$
- Monomial 161:  $Z_{3,a^2q^{14}}^{-1} Z_{2,aq^6} Z_{2,-aq^6}^{-1} Z_{1,aq^7}^{-1} Z_{1,-aq^3} Z_{1,-aq^7}^{-1}$
- Monomial 162:  $Z_{2,-aq^8}^{-1} Z_{1,aq^5} Z_{1,-aq^3}$
- Monomial 163:  $Z_{2,-aq^{10}}^{-1} Z_{1,aq} Z_{1,-aq^9}$
- Monomial 164:  $Z_{4,a^2q^{12}}^{-1} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6} Z_{2,-aq^4} Z_{1,aq^7}^{-1}$
- Monomial 165:  $Z_{3,a^2q^{14}}^{-2} Z_{4,a^2q^{12}} Z_{2,aq^6} Z_{1,aq^5} Z_{1,-aq^5}$
- Monomial 166:  $Z_{3,a^2q^{10}} Z_{4,a^2q^{12}}^{-1} Z_{4,a^2q^{16}}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^5} Z_{1,-aq^5}$
- Monomial 167:  $Z_{3,a^2q^{10}} Z_{2,aq^6}^{-1} Z_{2,aq^8}^{-1} Z_{2,-aq^6}^{-1} Z_{1,aq^5} Z_{1,aq^7} Z_{1,-aq^5}$
- Monomial 168:  $Z_{3,a^2q^{14}}^{-1} Z_{2,aq^6} Z_{2,-aq^4} Z_{2,-aq^6}^{-1} Z_{1,aq^7}^{-1} Z_{1,-aq^5}^{-1} Z_{1,-aq^7}^{-1}$
- Monomial 169:  $Z_{2,aq^6}^{-1} Z_{2,-aq^4} Z_{1,aq^5} Z_{1,aq^9}^{-1}$
- Monomial 170:  $2Z_{2,aq^8}^{-1} Z_{2,-aq^4}$
- Monomial 171:  $Z_{3,a^2q^6} Z_{3,a^2q^{18}}^{-1} Z_{2,aq^4}^{-1} Z_{2,-aq^8}$
- Monomial 172:  $Z_{3,a^2q^{10}}^{-1} Z_{3,a^2q^{14}} Z_{4,a^2q^8} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-1} Z_{2,-aq^4}$

- Monomial 173:  $2Z_{3,a^2q^{10}}Z_{3,a^2q^{14}}^{-1}Z_{2,aq^6}Z_{2,-aq^6}^{-1}Z_{1,aq^7}^{-1}Z_{1,-aq^5}$   
 Monomial 174:  $Z_{3,a^2q^{10}}^2Z_{4,a^2q^{12}}^{-1}Z_{2,-aq^6}^{-1}Z_{1,aq^7}^{-1}Z_{1,-aq^7}$   
 Monomial 175:  $Z_{2,-aq^4}Z_{2,-aq^8}^{-1}Z_{1,aq^5}Z_{1,-aq^5}^{-1}$   
 Monomial 176:  $2Z_{3,a^2q^{10}}Z_{3,a^2q^{14}}^{-1}Z_{1,aq^5}Z_{1,-aq^7}^{-1}$   
 Monomial 177:  $Z_{4,a^2q^8}Z_{4,a^2q^{12}}^{-1}Z_{2,aq^8}^{-1}Z_{2,-aq^6}^{-1}Z_{1,-aq^5}$   
 Monomial 178:  $Z_{4,a^2q^8}Z_{4,a^2q^{16}}^{-1}Z_{2,aq^6}Z_{2,-aq^6}^{-1}Z_{1,aq^7}^{-1}Z_{1,-aq^5}$   
 Monomial 179:  $Z_{3,a^2q^{14}}^{-1}Z_{4,a^2q^8}Z_{4,a^2q^{12}}Z_{2,aq^6}Z_{1,aq^7}^{-1}Z_{1,-aq^7}^{-1}$   
 Monomial 180:  $Z_{4,a^2q^8}Z_{4,a^2q^{16}}^{-1}Z_{1,aq^5}Z_{1,-aq^7}^{-1}$   
 Monomial 181:  $Z_{2,aq^4}Z_{2,-aq^6}^{-1}Z_{1,aq^9}^{-1}Z_{1,-aq^5}$   
 Monomial 182:  $Z_{2,aq^4}Z_{2,aq^8}^{-1}Z_{1,aq^7}Z_{1,-aq^7}^{-1}$   
 Monomial 183:  $Z_{2,aq^2}Z_{2,-aq^{10}}^{-1}Z_{1,aq^3}Z_{1,-aq^9}$   
 Monomial 184:  $Z_{2,aq^8}^{-1}Z_{2,-aq^6}Z_{1,-aq^3}Z_{1,-aq^7}^{-1}$   
 Monomial 185:  $Z_{2,aq^6}Z_{2,-aq^8}^{-1}Z_{1,aq^7}^{-1}Z_{1,-aq^3}$   
 Monomial 186:  $Z_{1,aq}Z_{1,-aq^{11}}^{-1}$   
 Monomial 187:  $Z_{2,-aq^4}Z_{1,aq^7}^{-1}Z_{1,aq^9}^{-1}$   
 Monomial 188:  $Z_{3,a^2q^{10}}^{-1}Z_{3,a^2q^{18}}Z_{4,a^2q^8}Z_{2,-aq^4}Z_{2,-aq^8}$   
 Monomial 189:  $Z_{3,a^2q^{14}}^{-2}Z_{4,a^2q^{12}}Z_{2,aq^6}^2Z_{1,aq^7}^{-1}Z_{1,-aq^5}$   
 Monomial 190:  $Z_{3,a^2q^{10}}Z_{2,-aq^6}^{-1}Z_{2,-aq^8}^{-1}Z_{1,aq^5}$   
 Monomial 191:  $Z_{3,a^2q^{14}}Z_{4,a^2q^{12}}^{-1}Z_{4,a^2q^{16}}^{-1}Z_{2,aq^8}Z_{2,-aq^4}$   
 Monomial 192:  $Z_{3,a^2q^{10}}Z_{4,a^2q^{12}}^{-1}Z_{4,a^2q^{16}}^{-1}Z_{2,aq^6}Z_{2,-aq^6}^{-1}Z_{1,aq^7}^{-1}Z_{1,-aq^5}$   
 Monomial 193:  $Z_{3,a^2q^{14}}^{-2}Z_{4,a^2q^{12}}Z_{2,aq^6}Z_{2,-aq^6}Z_{1,aq^5}Z_{1,-aq^7}^{-1}$   
 Monomial 194:  $Z_{3,a^2q^{10}}Z_{4,a^2q^{12}}^{-1}Z_{4,a^2q^{16}}^{-1}Z_{1,aq^5}Z_{1,-aq^7}^{-1}$   
 Monomial 195:  $Z_{3,a^2q^{10}}Z_{2,aq^6}^{-1}Z_{2,aq^8}^{-1}Z_{1,aq^5}Z_{1,aq^7}Z_{1,-aq^7}^{-1}$   
 Monomial 196:  $Z_{2,aq^8}^{-1}Z_{2,-aq^4}Z_{2,-aq^6}^{-1}Z_{1,-aq^5}^{-1}Z_{1,-aq^7}^{-1}$   
 Monomial 197:  $Z_{3,a^2q^{14}}^{-1}Z_{4,a^2q^{16}}Z_{2,aq^6}Z_{1,aq^5}Z_{1,-aq^5}$   
 Monomial 198:  $Z_{3,a^2q^{14}}^{-1}Z_{4,a^2q^{12}}Z_{2,aq^8}^{-1}Z_{1,aq^5}Z_{1,aq^7}Z_{1,-aq^5}$   
 Monomial 199:  $Z_{3,a^2q^{10}}Z_{2,aq^6}^{-1}Z_{2,-aq^6}^{-1}Z_{1,aq^5}Z_{1,aq^9}^{-1}Z_{1,-aq^5}$   
 Monomial 200:  $2Z_{3,a^2q^{10}}Z_{2,aq^8}^{-1}Z_{2,-aq^6}^{-1}Z_{1,-aq^5}$   
 Monomial 201:  $Z_{2,aq^6}Z_{2,-aq^4}Z_{2,-aq^8}^{-1}Z_{1,aq^7}^{-1}Z_{1,-aq^5}$   
 Monomial 202:  $2Z_{3,a^2q^{10}}Z_{3,a^2q^{14}}^{-1}Z_{2,aq^6}Z_{1,aq^7}^{-1}Z_{1,-aq^7}$   
 Monomial 203:  $Z_{3,a^2q^6}Z_{2,aq^4}^{-1}Z_{2,-aq^{10}}^{-1}Z_{1,-aq^9}$   
 Monomial 204:  $Z_{3,a^2q^{14}}Z_{4,a^2q^8}Z_{4,a^2q^{16}}^{-1}Z_{2,aq^8}^{-1}Z_{2,-aq^6}^{-1}Z_{1,-aq^5}$   
 Monomial 205:  $Z_{4,a^2q^8}Z_{4,a^2q^{12}}Z_{2,aq^8}^{-1}Z_{1,-aq^7}^{-1}$   
 Monomial 206:  $Z_{4,a^2q^8}Z_{4,a^2q^{16}}^{-1}Z_{2,aq^6}Z_{1,aq^7}^{-1}Z_{1,-aq^7}^{-1}$   
 Monomial 207:  $Z_{2,aq^4}Z_{1,aq^9}^{-1}Z_{1,-aq^7}^{-1}$   
 Monomial 208:  $Z_{2,aq^2}Z_{1,aq^3}^{-1}Z_{1,-aq^{11}}^{-1}$   
 Monomial 209:  $Z_{3,a^2q^{14}}Z_{2,aq^8}^{-1}Z_{2,-aq^8}^{-1}Z_{1,-aq^3}$   
 Monomial 210:  $Z_{3,a^2q^{10}}Z_{2,-aq^6}^{-1}Z_{1,aq^7}^{-1}Z_{1,aq^9}^{-1}Z_{1,-aq^5}$   
 Monomial 211:  $Z_{3,a^2q^{10}}Z_{2,aq^6}Z_{2,-aq^6}^{-1}Z_{2,-aq^8}^{-1}Z_{1,aq^7}^{-1}$   
 Monomial 212:  $Z_{3,a^2q^{14}}^{-2}Z_{4,a^2q^{12}}Z_{2,aq^6}^2Z_{2,-aq^6}Z_{1,aq^7}^{-1}Z_{1,-aq^7}^{-1}$   
 Monomial 213:  $Z_{3,a^2q^{10}}Z_{3,a^2q^{14}}Z_{4,a^2q^{12}}^{-1}Z_{4,a^2q^{16}}^{-1}Z_{2,aq^8}^{-1}Z_{2,-aq^6}^{-1}Z_{1,-aq^5}$   
 Monomial 214:  $Z_{3,a^2q^{10}}Z_{4,a^2q^{12}}^{-1}Z_{4,a^2q^{16}}^{-1}Z_{2,aq^6}Z_{1,aq^7}^{-1}Z_{1,-aq^7}^{-1}$   
 Monomial 215:  $Z_{3,a^2q^{18}}^{-1}Z_{4,a^2q^{12}}Z_{2,-aq^4}Z_{2,-aq^8}$   
 Monomial 216:  $Z_{3,a^2q^{10}}^{-1}Z_{4,a^2q^8}Z_{2,-aq^4}Z_{2,-aq^{10}}^{-1}Z_{1,-aq^9}$

- Monomial 217:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^8} Z_{2,-aq^6}^{-1} Z_{2,-aq^8} Z_{1,-aq^5}$   
 Monomial 218:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6}^2 Z_{1,aq^7}^{-1} Z_{1,-aq^5}$   
 Monomial 219:  $2Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,aq^6} Z_{2,aq^8}^{-1} Z_{1,-aq^5}$   
 Monomial 220:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,aq^6} Z_{2,-aq^8}^{-1} Z_{1,aq^5}$   
 Monomial 221:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6} Z_{2,-aq^6} Z_{1,aq^5} Z_{1,-aq^7}^{-1}$   
 Monomial 222:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,aq^8}^{-1} Z_{2,-aq^6} Z_{1,aq^5} Z_{1,aq^7} Z_{1,-aq^7}^{-1}$   
 Monomial 223:  $Z_{3,a^2q^{10}} Z_{2,aq^6}^{-1} Z_{1,aq^5} Z_{1,aq^9}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 224:  $2Z_{3,a^2q^{10}} Z_{2,aq^8}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 225:  $Z_{3,a^2q^{14}} Z_{2,aq^8}^{-1} Z_{2,-aq^4} Z_{2,-aq^8}^{-1} Z_{1,-aq^5}^{-1}$   
 Monomial 226:  $Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-1} Z_{1,aq^5} Z_{1,aq^7} Z_{1,-aq^5}$   
 Monomial 227:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{1,aq^5} Z_{1,aq^9}^{-1} Z_{1,-aq^5}$   
 Monomial 228:  $Z_{3,a^2q^6} Z_{2,aq^4}^{-1} Z_{1,-aq^{11}}^{-1}$   
 Monomial 229:  $Z_{3,a^2q^{14}} Z_{4,a^2q^8} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 230:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{16}} Z_{1,-aq^3}$   
 Monomial 231:  $Z_{4,a^2q^8} Z_{2,-aq^6}^{-1} Z_{2,-aq^{10}}^{-1} Z_{1,-aq^5} Z_{1,-aq^9}$   
 Monomial 232:  $Z_{4,a^2q^{12}} Z_{2,aq^8}^{-2} Z_{1,aq^7} Z_{1,-aq^5}$   
 Monomial 233:  $Z_{3,a^2q^{10}} Z_{1,aq^7}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 234:  $Z_{3,a^2q^{10}} Z_{3,a^2q^{14}} Z_{2,aq^8}^{-1} Z_{2,-aq^6}^{-1} Z_{2,-aq^8}^{-1}$   
 Monomial 235:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,aq^6} Z_{1,aq^7}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^5}$   
 Monomial 236:  $Z_{3,a^2q^{10}} Z_{3,a^2q^{14}} Z_{4,a^2q^{12}}^{-1} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 237:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,aq^6}^2 Z_{2,-aq^8}^{-1} Z_{1,aq^7}^{-1}$   
 Monomial 238:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{16}} Z_{2,aq^6}^2 Z_{2,-aq^6} Z_{1,aq^7}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 239:  $2Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,aq^6} Z_{2,aq^8}^{-1} Z_{2,-aq^6} Z_{1,-aq^7}^{-1}$   
 Monomial 240:  $Z_{3,a^2q^{10}} Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^6} Z_{2,-aq^8} Z_{1,-aq^5}$   
 Monomial 241:  $2Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6} Z_{2,aq^8}^{-1} Z_{1,-aq^5}$   
 Monomial 242:  $Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^4} Z_{2,-aq^{10}}^{-1} Z_{1,-aq^9}$   
 Monomial 243:  $Z_{3,a^2q^{10}}^{-1} Z_{4,a^2q^8} Z_{2,-aq^4} Z_{1,-aq^{11}}^{-1}$   
 Monomial 244:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^8} Z_{2,-aq^8} Z_{1,-aq^7}^{-1}$   
 Monomial 245:  $Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6} Z_{2,-aq^8}^{-1} Z_{1,aq^5}$   
 Monomial 246:  $Z_{4,a^2q^{12}} Z_{2,aq^8}^{-1} Z_{2,-aq^8}^{-1} Z_{1,aq^5} Z_{1,aq^7}$   
 Monomial 247:  $Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-1} Z_{2,-aq^6} Z_{1,aq^5} Z_{1,aq^7} Z_{1,-aq^7}^{-1}$   
 Monomial 248:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,-aq^6} Z_{1,aq^5} Z_{1,aq^9}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 249:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{16}} Z_{2,-aq^4} Z_{1,-aq^5}^{-1}$   
 Monomial 250:  $Z_{4,a^2q^{16}}^{-1} Z_{1,aq^5} Z_{1,aq^9}^{-1} Z_{1,-aq^5}$   
 Monomial 251:  $Z_{4,a^2q^{20}}^{-1} Z_{1,-aq^3}$   
 Monomial 252:  $Z_{4,a^2q^{12}} Z_{2,aq^8}^{-2} Z_{2,-aq^6} Z_{1,aq^7} Z_{1,-aq^7}^{-1}$   
 Monomial 253:  $Z_{3,a^2q^{14}}^{-1} Z_{3,a^2q^{18}}^{-1} Z_{2,aq^6} Z_{2,-aq^8} Z_{1,-aq^5}$   
 Monomial 254:  $Z_{3,a^2q^{10}} Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^6}^{-1} Z_{2,-aq^{10}}^{-1} Z_{1,-aq^5} Z_{1,-aq^9}$   
 Monomial 255:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-2} Z_{1,aq^7} Z_{1,-aq^5}$   
 Monomial 256:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{2,aq^6} Z_{2,-aq^6} Z_{1,aq^7} Z_{1,aq^9}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 257:  $Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6} Z_{1,aq^7}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^5}$   
 Monomial 258:  $Z_{4,a^2q^8} Z_{2,-aq^6}^{-1} Z_{1,-aq^5} Z_{1,-aq^{11}}^{-1}$   
 Monomial 259:  $Z_{4,a^2q^8} Z_{2,-aq^{10}}^{-1} Z_{1,-aq^7}^{-1} Z_{1,-aq^9}$   
 Monomial 260:  $Z_{4,a^2q^{12}} Z_{2,aq^8}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^5}$

- Monomial 261:  $Z_{3,a^2q^{10}} Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{16}} Z_{2,-aq^6}^{-1}$   
 Monomial 262:  $2Z_{4,a^2q^{12}} Z_{2,aq^6} Z_{2,aq^8}^{-1} Z_{2,-aq^8}^{-1}$   
 Monomial 263:  $Z_{3,a^2q^{10}} Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^8} Z_{1,-aq^7}^{-1}$   
 Monomial 264:  $2Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6} Z_{2,aq^8}^{-1} Z_{2,-aq^6} Z_{1,-aq^7}^{-1}$   
 Monomial 265:  $Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6}^2 Z_{2,-aq^8}^{-1} Z_{1,aq^7}^{-1}$   
 Monomial 266:  $Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^4} Z_{1,-aq^{11}}^{-1}$   
 Monomial 267:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-1} Z_{2,-aq^8}^{-1} Z_{1,aq^5} Z_{1,aq^7}$   
 Monomial 268:  $Z_{4,a^2q^{12}} Z_{2,-aq^8}^{-1} Z_{1,aq^5} Z_{1,aq^9}^{-1}$   
 Monomial 269:  $Z_{4,a^2q^{16}}^{-1} Z_{2,-aq^6} Z_{1,aq^5} Z_{1,aq^9}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 270:  $Z_{4,a^2q^{20}}^{-1} Z_{2,-aq^4} Z_{1,-aq^5}^{-1}$   
 Monomial 271:  $Z_{4,a^2q^8} Z_{1,-aq^7}^{-1} Z_{1,-aq^{11}}^{-1}$   
 Monomial 272:  $Z_{3,a^2q^{14}}^{-1} Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{12}} Z_{4,a^2q^{16}} Z_{2,aq^6}$   
 Monomial 273:  $Z_{3,a^2q^{14}}^{-1} Z_{3,a^2q^{18}}^{-1} Z_{2,aq^6} Z_{2,-aq^6} Z_{2,-aq^8} Z_{1,-aq^7}^{-1}$   
 Monomial 274:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{12}} Z_{2,aq^8}^{-2} Z_{2,-aq^8}^{-1} Z_{1,aq^7}$   
 Monomial 275:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-2} Z_{2,-aq^6} Z_{1,aq^7} Z_{1,-aq^7}^{-1}$   
 Monomial 276:  $Z_{4,a^2q^{12}} Z_{2,aq^6} Z_{2,-aq^8}^{-1} Z_{1,aq^7}^{-1} Z_{1,aq^9}^{-1}$   
 Monomial 277:  $Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6} Z_{2,-aq^6} Z_{1,aq^7}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 278:  $Z_{4,a^2q^{12}} Z_{2,aq^8}^{-1} Z_{2,-aq^6} Z_{1,aq^9}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 279:  $Z_{3,a^2q^{18}}^{-1} Z_{2,aq^8}^{-1} Z_{2,-aq^8} Z_{1,aq^7} Z_{1,-aq^5}$   
 Monomial 280:  $Z_{3,a^2q^{14}}^{-1} Z_{2,aq^6} Z_{2,-aq^{10}}^{-1} Z_{1,-aq^5} Z_{1,-aq^9}$   
 Monomial 281:  $Z_{3,a^2q^{10}} Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^6}^{-1} Z_{1,-aq^5} Z_{1,-aq^{11}}^{-1}$   
 Monomial 282:  $Z_{3,a^2q^{10}} Z_{4,a^2q^{12}}^{-1} Z_{2,-aq^{10}}^{-1} Z_{1,-aq^7}^{-1} Z_{1,-aq^9}$   
 Monomial 283:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^5}$   
 Monomial 284:  $Z_{3,a^2q^{10}} Z_{4,a^2q^{20}}^{-1} Z_{2,-aq^6}^{-1}$   
 Monomial 285:  $2Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6} Z_{2,aq^8}^{-1} Z_{2,-aq^8}^{-1}$   
 Monomial 286:  $Z_{3,a^2q^{18}}^{-1} Z_{1,aq^5} Z_{1,aq^7}$   
 Monomial 287:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{2,-aq^8}^{-1} Z_{1,aq^5} Z_{1,aq^9}^{-1}$   
 Monomial 288:  $Z_{3,a^2q^{10}} Z_{4,a^2q^{12}}^{-1} Z_{1,-aq^7}^{-1} Z_{1,-aq^{11}}^{-1}$   
 Monomial 289:  $Z_{3,a^2q^{14}}^2 Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-2} Z_{2,-aq^8}^{-1} Z_{1,aq^7}$   
 Monomial 290:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^6} Z_{2,-aq^8}^{-1} Z_{1,aq^7}^{-1} Z_{1,aq^9}^{-1}$   
 Monomial 291:  $Z_{3,a^2q^{14}}^{-1} Z_{4,a^2q^{12}} Z_{4,a^2q^{20}}^{-1} Z_{2,aq^6}$   
 Monomial 292:  $2Z_{3,a^2q^{18}}^{-1} Z_{2,aq^6}$   
 Monomial 293:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{12}} Z_{4,a^2q^{16}} Z_{2,aq^8}^{-1} Z_{1,aq^7}$   
 Monomial 294:  $Z_{3,a^2q^{18}}^{-1} Z_{2,aq^8}^{-1} Z_{2,-aq^6} Z_{2,-aq^8} Z_{1,aq^7} Z_{1,-aq^7}^{-1}$   
 Monomial 295:  $Z_{3,a^2q^{14}}^{-1} Z_{2,aq^6} Z_{2,-aq^6} Z_{2,-aq^{10}}^{-1} Z_{1,-aq^7}^{-1} Z_{1,-aq^9}$   
 Monomial 296:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{12}} Z_{2,aq^8}^{-1} Z_{2,-aq^8}^{-1} Z_{1,aq^9}^{-1}$   
 Monomial 297:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-1} Z_{2,-aq^6} Z_{1,aq^9}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 298:  $Z_{2,aq^8}^{-1} Z_{2,-aq^{10}}^{-1} Z_{1,aq^7} Z_{1,-aq^5} Z_{1,-aq^9}$   
 Monomial 299:  $Z_{3,a^2q^{18}}^{-1} Z_{2,-aq^8} Z_{1,aq^9}^{-1} Z_{1,-aq^5}$   
 Monomial 300:  $Z_{3,a^2q^{14}}^{-1} Z_{2,aq^6} Z_{1,-aq^5} Z_{1,-aq^{11}}^{-1}$   
 Monomial 301:  $Z_{3,a^2q^{18}}^{-1} Z_{2,aq^8} Z_{1,aq^5} Z_{1,aq^9}^{-1}$   
 Monomial 302:  $Z_{4,a^2q^{16}}^{-1} Z_{4,a^2q^{20}} Z_{2,aq^6}$   
 Monomial 303:  $Z_{2,aq^6} Z_{2,-aq^8}^{-1} Z_{2,-aq^{10}}^{-1} Z_{1,-aq^9}$   
 Monomial 304:  $Z_{3,a^2q^{14}}^{-1} Z_{2,aq^6} Z_{2,-aq^6} Z_{1,-aq^7}^{-1} Z_{1,-aq^{11}}^{-1}$



- Monomial 305:  $Z_{3,a^2q^{18}}^{-1} Z_{2,aq^6} Z_{2,aq^8} Z_{1,aq^7}^{-1} Z_{1,aq^9}^{-1}$   
 Monomial 306:  $2Z_{3,a^2q^{14}} Z_{3,a^2q^{18}}^{-1} Z_{2,aq^8}^{-1} Z_{1,aq^7}$   
 Monomial 307:  $Z_{3,a^2q^{14}}^2 Z_{4,a^2q^{16}}^{-1} Z_{2,aq^8}^{-1} Z_{2,-aq^8}^{-1} Z_{1,aq^9}^{-1}$   
 Monomial 308:  $Z_{4,a^2q^{12}} Z_{4,a^2q^{20}}^{-1} Z_{2,aq^8}^{-1} Z_{1,aq^7}$   
 Monomial 309:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{12}} Z_{4,a^2q^{16}}^{-1} Z_{1,aq^9}^{-1}$   
 Monomial 310:  $Z_{2,aq^8}^{-1} Z_{2,-aq^6} Z_{2,-aq^{10}}^{-1} Z_{1,aq^7} Z_{1,-aq^7}^{-1} Z_{1,-aq^9}$   
 Monomial 311:  $Z_{3,a^2q^{18}}^{-1} Z_{2,-aq^6} Z_{2,-aq^8}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^7}^{-1}$   
 Monomial 312:  $Z_{2,-aq^{10}}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^5} Z_{1,-aq^9}$   
 Monomial 313:  $Z_{2,aq^8}^{-1} Z_{1,aq^7} Z_{1,-aq^5}^{-1} Z_{1,-aq^{11}}^{-1}$   
 Monomial 314:  $Z_{2,aq^{10}}^{-1} Z_{1,aq^5}$   
 Monomial 315:  $Z_{3,a^2q^{18}}^{-2} Z_{4,a^2q^{16}} Z_{2,-aq^8} Z_{1,aq^7}$   
 Monomial 316:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{4,a^2q^{20}}^{-1} Z_{2,aq^8}^{-1} Z_{1,aq^7}$   
 Monomial 317:  $Z_{3,a^2q^{14}} Z_{2,aq^8}^{-1} Z_{2,-aq^8}^{-1} Z_{2,-aq^{10}}^{-1} Z_{1,aq^7} Z_{1,-aq^9}$   
 Monomial 318:  $Z_{2,aq^8}^{-1} Z_{2,-aq^6} Z_{1,aq^7} Z_{1,-aq^7}^{-1} Z_{1,-aq^{11}}^{-1}$   
 Monomial 319:  $Z_{2,aq^6} Z_{2,-aq^8}^{-1} Z_{1,-aq^{11}}^{-1}$   
 Monomial 320:  $Z_{2,aq^6} Z_{2,aq^{10}}^{-1} Z_{1,aq^7}$   
 Monomial 321:  $2Z_{3,a^2q^{14}} Z_{3,a^2q^{18}}^{-1} Z_{1,aq^9}^{-1}$   
 Monomial 322:  $Z_{4,a^2q^{12}} Z_{4,a^2q^{20}}^{-1} Z_{1,aq^9}$   
 Monomial 323:  $Z_{2,-aq^6} Z_{2,-aq^{10}}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^7}^{-1} Z_{1,-aq^9}$   
 Monomial 324:  $Z_{1,aq^9}^{-1} Z_{1,-aq^5} Z_{1,-aq^{11}}^{-1}$   
 Monomial 325:  $Z_{3,a^2q^{14}} Z_{2,aq^8}^{-1} Z_{2,aq^{10}}^{-1}$   
 Monomial 326:  $Z_{3,a^2q^{18}}^{-2} Z_{4,a^2q^{16}} Z_{2,aq^8} Z_{2,-aq^8} Z_{1,aq^9}^{-1}$   
 Monomial 327:  $Z_{3,a^2q^{14}} Z_{4,a^2q^{16}}^{-1} Z_{4,a^2q^{20}}^{-1} Z_{1,aq^9}$   
 Monomial 328:  $Z_{3,a^2q^{14}} Z_{2,-aq^8}^{-1} Z_{2,-aq^{10}}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^9}$   
 Monomial 329:  $Z_{2,-aq^6} Z_{1,aq^9}^{-1} Z_{1,-aq^7}^{-1} Z_{1,-aq^{11}}^{-1}$   
 Monomial 330:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{20}}^{-1} Z_{2,-aq^8} Z_{1,aq^7}$   
 Monomial 331:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{16}} Z_{2,-aq^{10}}^{-1} Z_{1,aq^7} Z_{1,-aq^9}$   
 Monomial 332:  $Z_{3,a^2q^{14}} Z_{2,aq^8}^{-1} Z_{2,-aq^8}^{-1} Z_{1,aq^7} Z_{1,-aq^{11}}^{-1}$   
 Monomial 333:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{16}} Z_{2,aq^{10}}^{-1} Z_{2,-aq^8}$   
 Monomial 334:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{20}} Z_{2,aq^8} Z_{2,-aq^8} Z_{1,aq^9}^{-1}$   
 Monomial 335:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{16}} Z_{2,aq^8} Z_{2,-aq^{10}}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^9}$   
 Monomial 336:  $Z_{3,a^2q^{14}} Z_{2,-aq^8}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^{11}}^{-1}$   
 Monomial 337:  $Z_{4,a^2q^{20}}^{-1} Z_{2,-aq^{10}}^{-1} Z_{1,aq^7} Z_{1,-aq^9}$   
 Monomial 338:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{16}} Z_{1,aq^7} Z_{1,-aq^{11}}^{-1}$   
 Monomial 339:  $Z_{4,a^2q^{20}}^{-1} Z_{2,aq^{10}}^{-1} Z_{2,-aq^8}$   
 Monomial 340:  $Z_{4,a^2q^{16}} Z_{2,aq^{10}}^{-1} Z_{2,-aq^{10}}^{-1} Z_{1,-aq^9}$   
 Monomial 341:  $Z_{4,a^2q^{20}}^{-1} Z_{2,aq^8} Z_{2,-aq^{10}}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^9}$   
 Monomial 342:  $Z_{3,a^2q^{18}}^{-1} Z_{4,a^2q^{16}} Z_{2,aq^8}^{-1} Z_{1,aq^9}^{-1} Z_{1,-aq^{11}}^{-1}$   
 Monomial 343:  $Z_{4,a^2q^{20}}^{-1} Z_{1,aq^7} Z_{1,-aq^{11}}^{-1}$   
 Monomial 344:  $Z_{3,a^2q^{18}} Z_{4,a^2q^{20}}^{-1} Z_{2,aq^{10}}^{-1} Z_{2,-aq^{10}}^{-1} Z_{1,-aq^9}$   
 Monomial 345:  $Z_{4,a^2q^{16}} Z_{2,aq^{10}}^{-1} Z_{1,-aq^{11}}^{-1}$   
 Monomial 346:  $Z_{4,a^2q^{20}}^{-1} Z_{2,aq^8} Z_{1,aq^9}^{-1} Z_{1,-aq^{11}}^{-1}$   
 Monomial 347:  $Z_{3,a^2q^{22}}^{-1} Z_{1,-aq^9}$   
 Monomial 348:  $Z_{3,a^2q^{18}} Z_{4,a^2q^{20}}^{-1} Z_{2,aq^{10}}^{-1} Z_{1,-aq^{11}}^{-1}$

Monomial 349:  $Z_{3,a^2q^{22}}^{-1} Z_{2,-aq^{10}} Z_{1,-aq^{11}}^{-1}$

Monomial 350:  $Z_{2,-aq^{12}}^{-1}$

Fundamental representation 3 (2925 monomials and 3732 dimensional) (here  $b^2 = a$ ) :

Monomial 0:  $Z_{3,a}$

Monomial 1:  $Z_{3,aq^4}^{-1} Z_{4,aq^2} Z_{2,bq} Z_{2,-bq}$

Monomial 2:  $Z_{4,aq^6}^{-1} Z_{2,bq} Z_{2,-bq}$

Monomial 3:  $Z_{4,aq^2} Z_{2,bq^3}^{-1} Z_{2,-bq} Z_{1,bq^2}$

Monomial 4:  $Z_{4,aq^2} Z_{2,bq} Z_{2,-bq^3}^{-1} Z_{1,-bq^2}$

Monomial 5:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,bq^3}^{-1} Z_{2,-bq} Z_{1,bq^2}$

Monomial 6:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,bq} Z_{2,-bq^3}^{-1} Z_{1,-bq^2}$

Monomial 7:  $Z_{3,aq^4} Z_{4,aq^2} Z_{2,bq^3}^{-1} Z_{2,-bq^3}^{-1} Z_{1,bq^2} Z_{1,-bq^2}$

Monomial 8:  $Z_{4,aq^2} Z_{2,-bq} Z_{1,bq^4}^{-1}$

Monomial 9:  $Z_{4,aq^2} Z_{2,bq} Z_{1,-bq^4}^{-1}$

Monomial 10:  $Z_{3,aq^8}^{-1} Z_{2,-bq} Z_{2,-bq^3} Z_{1,bq^2}$

Monomial 11:  $Z_{3,aq^4}^2 Z_{4,aq^6}^{-1} Z_{2,bq^3}^{-1} Z_{2,-bq^3}^{-1} Z_{1,bq^2} Z_{1,-bq^2}$

Monomial 12:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,-bq} Z_{1,bq^4}^{-1}$

Monomial 13:  $Z_{3,aq^8}^{-1} Z_{2,bq} Z_{2,bq^3} Z_{1,-bq^2}$

Monomial 14:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,bq} Z_{1,-bq^4}^{-1}$

Monomial 15:  $Z_{3,aq^8}^{-1} Z_{4,aq^2} Z_{4,aq^6} Z_{1,bq^2} Z_{1,-bq^2}$

Monomial 16:  $Z_{3,aq^4} Z_{4,aq^2} Z_{2,-bq^3}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^2}$

Monomial 17:  $Z_{3,aq^4} Z_{4,aq^2} Z_{2,bq^3}^{-1} Z_{1,bq^2} Z_{1,-bq^4}^{-1}$

Monomial 18:  $Z_{2,-bq} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,-bq^4}$

Monomial 19:  $2Z_{3,aq^4} Z_{3,aq^8}^{-1} Z_{1,bq^2} Z_{1,-bq^2}$

Monomial 20:  $Z_{3,aq^8}^{-1} Z_{2,bq^3} Z_{2,-bq} Z_{2,-bq^3} Z_{1,bq^4}^{-1}$

Monomial 21:  $Z_{3,aq^4}^2 Z_{4,aq^6}^{-1} Z_{2,-bq^3}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^2}$

Monomial 22:  $Z_{3,aq^4}^2 Z_{4,aq^6}^{-1} Z_{2,bq^3}^{-1} Z_{1,bq^2} Z_{1,-bq^4}^{-1}$

Monomial 23:  $Z_{2,bq} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^2}$

Monomial 24:  $Z_{3,aq^8}^{-1} Z_{2,bq} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,-bq^4}^{-1}$

Monomial 25:  $Z_{4,aq^2} Z_{4,aq^{10}}^{-1} Z_{1,bq^2} Z_{1,-bq^2}$

Monomial 26:  $Z_{3,aq^8}^{-1} Z_{4,aq^2} Z_{4,aq^6} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^2}$

Monomial 27:  $Z_{3,aq^8}^{-1} Z_{4,aq^2} Z_{4,aq^6} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,-bq^4}^{-1}$

Monomial 28:  $Z_{3,aq^4} Z_{4,aq^2} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1}$

Monomial 29:  $Z_{3,aq^4} Z_{2,-bq^3}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,-bq^2} Z_{1,-bq^4}$

Monomial 30:  $Z_{3,aq^8}^{-2} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,-bq^2}$

Monomial 31:  $Z_{3,aq^4} Z_{2,bq^3}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^2}$

Monomial 32:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{1,bq^2} Z_{1,-bq^2}$

Monomial 33:  $Z_{2,bq^3} Z_{2,-bq} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^4}$

Monomial 34:  $Z_{2,-bq} Z_{1,bq^2} Z_{1,-bq^6}^{-1}$

Monomial 35:  $2Z_{3,aq^4} Z_{3,aq^8}^{-1} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^2}$

Monomial 36:  $2Z_{3,aq^4} Z_{3,aq^8}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,-bq^4}^{-1}$

Monomial 37:  $Z_{2,bq^5}^{-1} Z_{2,-bq} Z_{2,-bq^3}$

Monomial 38:  $Z_{3,aq^4}^2 Z_{4,aq^6}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1}$

Monomial 39:  $Z_{2,bq} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$

- Monomial 40:  $Z_{2,bq} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 41:  $Z_{2,bq} Z_{2,bq^3} Z_{2,-bq^5}^{-1}$
- Monomial 42:  $Z_{4,aq^2} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^2}$
- Monomial 43:  $Z_{4,aq^2} Z_{4,aq^{10}}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,-bq^4}^{-1}$
- Monomial 44:  $Z_{4,aq^2} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{1,-bq^2}$
- Monomial 45:  $Z_{3,aq^8}^{-1} Z_{4,aq^2} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 46:  $Z_{4,aq^2} Z_{4,aq^6} Z_{2,-bq^5}^{-1} Z_{1,bq^2}$
- Monomial 47:  $Z_{3,aq^4} Z_{2,bq^3} Z_{2,-bq^3}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 48:  $Z_{3,aq^8}^{-2} Z_{4,aq^6} Z_{2,bq^3}^2 Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^2}$
- Monomial 49:  $Z_{3,aq^8}^{-2} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3}^2 Z_{1,bq^2} Z_{1,-bq^4}^{-1}$
- Monomial 50:  $Z_{3,aq^4} Z_{2,bq^3}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 51:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^2}$
- Monomial 52:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,-bq^4}^{-1}$
- Monomial 53:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 54:  $Z_{3,aq^4} Z_{2,-bq^3}^{-1} Z_{1,bq^2} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 55:  $2Z_{3,aq^4} Z_{2,-bq^5}^{-1} Z_{1,bq^2}$
- Monomial 56:  $Z_{3,aq^8}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,-bq^2}$
- Monomial 57:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^2}$
- Monomial 58:  $Z_{3,aq^4} Z_{2,bq^3}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 59:  $2Z_{3,aq^4} Z_{2,bq^5}^{-1} Z_{1,-bq^2}$
- Monomial 60:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq} Z_{2,-bq^5}^{-1} Z_{1,-bq^4}$
- Monomial 61:  $Z_{2,bq^3} Z_{2,-bq} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 62:  $2Z_{3,aq^4} Z_{3,aq^8}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 63:  $Z_{2,bq} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 64:  $Z_{3,aq^8} Z_{2,bq} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4}$
- Monomial 65:  $Z_{3,aq^8} Z_{4,aq^2} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{1,-bq^2}$
- Monomial 66:  $Z_{4,aq^2} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 67:  $Z_{3,aq^8} Z_{4,aq^2} Z_{4,aq^{10}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2}$
- Monomial 68:  $Z_{4,aq^2} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,-bq^4}^{-1}$
- Monomial 69:  $Z_{4,aq^2} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1}$
- Monomial 70:  $Z_{3,aq^4} Z_{1,bq^2} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 71:  $Z_{3,aq^4} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 72:  $Z_{3,aq^4} Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^3}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 73:  $Z_{3,aq^8}^{-2} Z_{4,aq^6} Z_{2,bq^3}^2 Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 74:  $Z_{3,aq^4} Z_{3,aq^8} Z_{2,bq^3}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4}$
- Monomial 75:  $Z_{3,aq^4} Z_{3,aq^8} Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{1,-bq^2}$
- Monomial 76:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 77:  $Z_{3,aq^4} Z_{3,aq^8} Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2}$
- Monomial 78:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3}^2 Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 79:  $Z_{3,aq^4} Z_{2,bq^3} Z_{2,-bq^3}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 80:  $2Z_{3,aq^4} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1}$
- Monomial 81:  $Z_{3,aq^8}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3}^2 Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^2}$
- Monomial 82:  $2Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,-bq^2}$
- Monomial 83:  $Z_{3,aq^8}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3}^2 Z_{2,-bq^3} Z_{1,bq^2} Z_{1,-bq^4}^{-1}$

- Monomial 84:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3}^2 Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 85:  $2Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^2}$
- Monomial 86:  $Z_{3,aq^4} Z_{2,bq^3}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 87:  $2Z_{3,aq^4} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,-bq^4}^{-1}$
- Monomial 88:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 89:  $Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 90:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{1,bq^2} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 91:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^2}$
- Monomial 92:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 93:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq} Z_{1,-bq^4}$
- Monomial 94:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq} Z_{1,-bq^6}^{-1}$
- Monomial 95:  $Z_{3,aq^8} Z_{2,bq} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 96:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq} Z_{1,bq^4}$
- Monomial 97:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^2} Z_{2,-bq^5} Z_{1,-bq^2}$
- Monomial 98:  $Z_{3,aq^8} Z_{4,aq^2} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,-bq^4}^{-1}$
- Monomial 99:  $Z_{3,aq^8} Z_{4,aq^2} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1}$
- Monomial 100:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^2} Z_{2,bq^5} Z_{1,bq^2}$
- Monomial 101:  $Z_{3,aq^8} Z_{4,aq^2} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1}$
- Monomial 102:  $Z_{3,aq^4} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 103:  $Z_{4,aq^6} Z_{2,bq^5}^{-2} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^2}$
- Monomial 104:  $Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^5}^{-2} Z_{1,bq^2} Z_{1,-bq^4}$
- Monomial 105:  $Z_{3,aq^4} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 106:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 107:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 108:  $Z_{3,aq^4} Z_{3,aq^8} Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,-bq^4}^{-1}$
- Monomial 109:  $Z_{3,aq^4} Z_{3,aq^8} Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1}$
- Monomial 110:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,-bq^3} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 111:  $2Z_{4,aq^6} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 112:  $Z_{3,aq^4} Z_{3,aq^8} Z_{2,bq^3}^{-1} Z_{2,-bq^3}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 113:  $2Z_{3,aq^4} Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1}$
- Monomial 114:  $Z_{3,aq^8}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3}^2 Z_{2,-bq^3}^2 Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 115:  $2Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^3}^2 Z_{1,-bq^4}^{-1}$
- Monomial 116:  $2Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3}^2 Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1}$
- Monomial 117:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{1,bq^2} Z_{1,bq^4}$
- Monomial 118:  $2Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4}$
- Monomial 119:  $Z_{3,aq^4} Z_{3,aq^8} Z_{2,bq^3}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1}$
- Monomial 120:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{2,-bq^5} Z_{1,-bq^2}$
- Monomial 121:  $2Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,-bq^2}$
- Monomial 122:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{2,bq^5} Z_{1,bq^2}$
- Monomial 123:  $2Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^2}$
- Monomial 124:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^3}^2 Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 125:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3}^2 Z_{1,bq^4}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 126:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 127:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$

- Monomial 128:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 129:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{1,bq^2} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 130:  $Z_{4,aq^6} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 131:  $Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 132:  $Z_{4,aq^{10}}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 133:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq} Z_{1,-bq^4}$
- Monomial 134:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$
- Monomial 135:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq} Z_{2,bq^5} Z_{1,bq^6}^{-1}$
- Monomial 136:  $Z_{4,aq^{14}}^{-1} Z_{2,bq} Z_{1,bq^4}$
- Monomial 137:  $Z_{4,aq^2} Z_{2,-bq^7}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 138:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^2} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1}$
- Monomial 139:  $Z_{3,aq^8}^2 Z_{4,aq^2} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1}$
- Monomial 140:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^2} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1}$
- Monomial 141:  $Z_{4,aq^2} Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6}$
- Monomial 142:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^2} Z_{4,aq^6} Z_{4,aq^{10}}$
- Monomial 143:  $Z_{3,aq^8}^{-1} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^3} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 144:  $Z_{3,aq^4} Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 145:  $Z_{4,aq^6} Z_{2,bq^5}^{-2} Z_{2,-bq^3}^2 Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 146:  $Z_{4,aq^6} Z_{2,bq^3}^2 Z_{2,-bq^5}^{-2} Z_{1,bq^4}^{-1} Z_{1,-bq^4}$
- Monomial 147:  $Z_{3,aq^8}^{-1} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4}$
- Monomial 148:  $Z_{3,aq^4} Z_{3,aq^8} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}$
- Monomial 149:  $Z_{3,aq^8}^{-1} Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^2}$
- Monomial 150:  $Z_{3,aq^8}^{-1} Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^2}$
- Monomial 151:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-2} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 152:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3}^2 Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 153:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-2} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^2}$
- Monomial 154:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-2} Z_{1,bq^2} Z_{1,-bq^4}$
- Monomial 155:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-2} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 156:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3}^2 Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 157:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 158:  $Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 159:  $Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 160:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 161:  $Z_{3,aq^4} Z_{3,aq^8}^2 Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1}$
- Monomial 162:  $Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 163:  $Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 164:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^6}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1}$
- Monomial 165:  $2Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^3}^{-1} Z_{1,-bq^4}$
- Monomial 166:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^6}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1}$
- Monomial 167:  $2Z_{4,aq^{10}}^{-1} Z_{2,bq^3}^2 Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}$
- Monomial 168:  $Z_{3,aq^4} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 169:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 170:  $2Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}$
- Monomial 171:  $2Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$

- Monomial 172:  $2Z_{4,aq^6}Z_{2,bq^3}Z_{2,bq^5}^{-1}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}$   
Monomial 173:  $4Z_{4,aq^6}Z_{2,bq^3}Z_{2,bq^5}^{-1}Z_{2,-bq^3}Z_{2,-bq^5}^{-1}$   
Monomial 174:  $Z_{3,aq^4}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}^{-1}Z_{1,bq^2}Z_{1,bq^4}$   
Monomial 175:  $Z_{3,aq^4}Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^3}^{-1}Z_{2,bq^5}Z_{1,bq^2}Z_{1,bq^6}^{-1}$   
Monomial 176:  $2Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{2,bq^5}^{-1}Z_{2,-bq^3}Z_{2,-bq^5}^{-1}Z_{1,bq^2}Z_{1,bq^4}$   
Monomial 177:  $2Z_{4,aq^6}Z_{2,-bq^3}Z_{2,-bq^5}^{-1}Z_{1,bq^2}Z_{1,bq^6}^{-1}$   
Monomial 178:  $Z_{3,aq^4}Z_{4,aq^6}^{-1}Z_{2,-bq^7}^{-1}Z_{1,-bq^2}Z_{1,-bq^6}$   
Monomial 179:  $Z_{3,aq^4}Z_{4,aq^6}^{-1}Z_{2,bq^7}^{-1}Z_{1,bq^2}Z_{1,bq^6}$   
Monomial 180:  $Z_{4,aq^{10}}^{-1}Z_{2,bq^3}^2Z_{1,bq^4}^{-1}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}$   
Monomial 181:  $Z_{4,aq^{10}}^{-1}Z_{2,-bq^3}^2Z_{1,bq^2}Z_{1,bq^6}^{-1}Z_{1,-bq^4}$   
Monomial 182:  $Z_{3,aq^{12}}^{-1}Z_{1,bq^2}Z_{1,bq^4}Z_{1,-bq^2}Z_{1,-bq^4}$   
Monomial 183:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{2,-bq^5}^{-1}Z_{1,bq^2}Z_{1,bq^6}^{-1}Z_{1,-bq^2}Z_{1,-bq^4}$   
Monomial 184:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{2,bq^5}^{-1}Z_{1,bq^2}Z_{1,bq^4}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}$   
Monomial 185:  $Z_{4,aq^6}Z_{1,bq^2}Z_{1,bq^6}^{-1}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}$   
Monomial 186:  $Z_{4,aq^{14}}^{-1}Z_{2,-bq}Z_{2,-bq^5}^{-1}Z_{1,-bq^6}^{-1}$   
Monomial 187:  $Z_{4,aq^{10}}Z_{2,-bq}Z_{2,-bq^7}^{-1}$   
Monomial 188:  $Z_{4,aq^{14}}^{-1}Z_{2,bq}Z_{2,bq^5}Z_{1,bq^6}^{-1}$   
Monomial 189:  $Z_{4,aq^{10}}Z_{2,bq}Z_{2,bq^7}^{-1}$   
Monomial 190:  $Z_{4,aq^2}Z_{1,-bq^2}Z_{1,-bq^8}^{-1}$   
Monomial 191:  $Z_{4,aq^2}Z_{2,-bq^3}Z_{2,-bq^7}^{-1}Z_{1,-bq^4}Z_{1,-bq^6}$   
Monomial 192:  $2Z_{3,aq^8}Z_{3,aq^{12}}^{-1}Z_{4,aq^2}$   
Monomial 193:  $Z_{4,aq^2}Z_{2,bq^3}Z_{2,bq^7}^{-1}Z_{1,bq^4}^{-1}Z_{1,bq^6}$   
Monomial 194:  $Z_{4,aq^2}Z_{1,bq^2}Z_{1,bq^8}^{-1}$   
Monomial 195:  $Z_{4,aq^2}Z_{4,aq^6}Z_{4,aq^{14}}^{-1}$   
Monomial 196:  $Z_{3,aq^8}Z_{3,aq^{12}}^{-1}Z_{2,bq^3}Z_{2,-bq^3}^2Z_{2,-bq^5}^{-1}Z_{1,-bq^4}^{-1}$   
Monomial 197:  $Z_{3,aq^8}Z_{3,aq^{12}}^{-1}Z_{2,bq^3}^2Z_{2,bq^5}Z_{2,-bq^3}Z_{1,bq^4}^{-1}$   
Monomial 198:  $Z_{3,aq^4}Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,-bq^5}^{-1}Z_{1,-bq^4}Z_{1,-bq^6}^{-1}$   
Monomial 199:  $2Z_{4,aq^6}Z_{2,bq^3}Z_{2,bq^5}^{-1}Z_{2,-bq^3}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}$   
Monomial 200:  $Z_{3,aq^8}Z_{3,aq^{12}}^{-1}Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,bq^3}Z_{2,-bq^5}^{-1}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}$   
Monomial 201:  $2Z_{3,aq^8}Z_{3,aq^{12}}^{-1}Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,bq^3}Z_{2,-bq^3}$   
Monomial 202:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{2,bq^5}^{-2}Z_{2,-bq^3}^2Z_{1,bq^4}Z_{1,-bq^4}^{-1}$   
Monomial 203:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{2,bq^3}^2Z_{2,-bq^5}^{-2}Z_{1,bq^4}^{-1}Z_{1,-bq^4}$   
Monomial 204:  $2Z_{3,aq^8}Z_{4,aq^6}Z_{2,bq^3}Z_{2,bq^5}^{-1}Z_{2,-bq^5}^{-2}Z_{1,-bq^4}$   
Monomial 205:  $2Z_{3,aq^8}Z_{4,aq^6}Z_{2,bq^5}^{-2}Z_{2,-bq^3}Z_{2,-bq^5}^{-1}Z_{1,bq^4}$   
Monomial 206:  $Z_{3,aq^4}Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^5}Z_{1,bq^4}^{-1}Z_{1,bq^6}^{-1}$   
Monomial 207:  $2Z_{4,aq^6}Z_{2,bq^3}Z_{2,-bq^3}Z_{2,-bq^5}^{-1}Z_{1,bq^4}^{-1}Z_{1,bq^6}^{-1}$   
Monomial 208:  $Z_{3,aq^8}Z_{3,aq^{12}}^{-1}Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,-bq^3}Z_{1,bq^2}Z_{1,bq^6}^{-1}$   
Monomial 209:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{2,bq^5}^{-2}Z_{2,-bq^5}^{-1}Z_{1,bq^4}Z_{1,-bq^2}Z_{1,-bq^4}$   
Monomial 210:  $Z_{4,aq^{10}}^{-1}Z_{2,bq^3}^2Z_{2,-bq^3}Z_{1,bq^4}^{-1}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}^{-1}$   
Monomial 211:  $Z_{3,aq^8}Z_{4,aq^6}Z_{2,bq^5}^{-2}Z_{1,bq^4}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}$   
Monomial 212:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{2,bq^5}^{-1}Z_{2,-bq^5}^{-2}Z_{1,bq^2}Z_{1,bq^4}Z_{1,-bq^4}$   
Monomial 213:  $Z_{4,aq^{10}}^{-1}Z_{2,bq^3}Z_{2,-bq^3}^2Z_{1,bq^4}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^4}$   
Monomial 214:  $Z_{3,aq^8}Z_{4,aq^6}Z_{2,-bq^5}^{-2}Z_{1,bq^2}Z_{1,bq^6}^{-1}Z_{1,-bq^4}$   
Monomial 215:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{2,bq^3}Z_{2,-bq^5}^{-1}Z_{1,bq^4}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^2}Z_{1,-bq^4}$

- Monomial 216:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 217:  $Z_{4,aq^6} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 218:  $Z_{4,aq^6} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 219:  $Z_{3,aq^4} Z_{4,aq^{10}} Z_{2,-bq^3}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^2}$
- Monomial 220:  $Z_{3,aq^4} Z_{4,aq^{10}} Z_{2,bq^3}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^2}$
- Monomial 221:  $Z_{4,aq^2} Z_{2,-bq^3} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 222:  $Z_{3,aq^8} Z_{4,aq^2} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 223:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5}$
- Monomial 224:  $Z_{3,aq^8} Z_{4,aq^2} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6}$
- Monomial 225:  $Z_{4,aq^2} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 226:  $Z_{3,aq^8} Z_{4,aq^2} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1}$
- Monomial 227:  $2Z_{3,aq^4} Z_{4,aq^{14}}^{-1}$
- Monomial 228:  $2Z_{3,aq^4} Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^6}^{-1}$
- Monomial 229:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 230:  $2Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 231:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 232:  $Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3}^2 Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 233:  $Z_{4,aq^6} Z_{2,bq^3}^2 Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 234:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4}$
- Monomial 235:  $2Z_{3,aq^{12}}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4}$
- Monomial 236:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 237:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^2}$
- Monomial 238:  $Z_{3,aq^8}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 239:  $Z_{3,aq^8}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^6}$
- Monomial 240:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,-bq^4}$
- Monomial 241:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 242:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 243:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,-bq^6}$
- Monomial 244:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 245:  $4Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^5}^{-1}$
- Monomial 246:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 247:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}$
- Monomial 248:  $Z_{3,aq^4} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 249:  $2Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 250:  $Z_{3,aq^4} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1}$
- Monomial 251:  $2Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1}$
- Monomial 252:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 253:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1}$
- Monomial 254:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 255:  $Z_{3,aq^{12}}^{-1} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 256:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 257:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq} Z_{2,-bq^7}^{-1}$
- Monomial 258:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq} Z_{2,bq^7}^{-1}$
- Monomial 259:  $Z_{3,aq^4} Z_{3,aq^8} Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1}$

- Monomial 260:  $Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 261:  $Z_{3,aq^8}^{-1} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 262:  $Z_{3,aq^8}^2 Z_{4,aq^6} Z_{2,bq^5}^{-2} Z_{2,-bq^5}^{-2} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 263:  $Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4}$
- Monomial 264:  $Z_{3,aq^8}^{-1} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 265:  $Z_{2,bq^3} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 266:  $Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^6}$
- Monomial 267:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-2} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 268:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 269:  $Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 270:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-2} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5}$
- Monomial 271:  $5 Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,-bq^3}$
- Monomial 272:  $Z_{3,aq^4} Z_{3,aq^8} Z_{4,aq^6}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 273:  $2 Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-2} Z_{1,-bq^4}$
- Monomial 274:  $Z_{3,aq^4} Z_{3,aq^8} Z_{4,aq^6}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6}$
- Monomial 275:  $2 Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-2} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}$
- Monomial 276:  $Z_{3,aq^4} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 277:  $2 Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 278:  $Z_{3,aq^4} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 279:  $2 Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 280:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,-bq^3} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 281:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 282:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-2} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 283:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 284:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 285:  $Z_{3,aq^{12}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 286:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 287:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 288:  $Z_{3,aq^4} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,-bq^2}$
- Monomial 289:  $Z_{3,aq^4} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{1,bq^2}$
- Monomial 290:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 291:  $Z_{3,aq^8}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$
- Monomial 292:  $Z_{3,aq^8}^{-1} Z_{2,bq^3}^2 Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}$
- Monomial 293:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^3}^2 Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,-bq^4}$
- Monomial 294:  $Z_{3,aq^4} Z_{4,aq^{10}}^{-1} Z_{2,-bq^7} Z_{1,-bq^4}^{-1}$
- Monomial 295:  $2 Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$
- Monomial 296:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^5} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 297:  $2 Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,-bq^5} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 298:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 299:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,-bq^7} Z_{1,-bq^2}$
- Monomial 300:  $2 Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^3}$
- Monomial 301:  $2 Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^4}$
- Monomial 302:  $2 Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,-bq^5} Z_{1,-bq^4}$
- Monomial 303:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$



- Monomial 304:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3}^2 Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1}$   
Monomial 305:  $2Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1}$   
Monomial 306:  $Z_{3,aq^4} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1}$   
Monomial 307:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^6}^{-1}$   
Monomial 308:  $2Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^6}^{-1}$   
Monomial 309:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^2}$   
Monomial 310:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$   
Monomial 311:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4}$   
Monomial 312:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$   
Monomial 313:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$   
Monomial 314:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}$   
Monomial 315:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$   
Monomial 316:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$   
Monomial 317:  $Z_{3,aq^8} Z_{4,aq^2} Z_{2,-bq^5}^{-1} Z_{1,-bq^8}^{-1}$   
Monomial 318:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$   
Monomial 319:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^2} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5}$   
Monomial 320:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^2} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6}$   
Monomial 321:  $Z_{3,aq^8} Z_{4,aq^2} Z_{2,bq^5}^{-1} Z_{1,bq^8}^{-1}$   
Monomial 322:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4}$   
Monomial 323:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$   
Monomial 324:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}$   
Monomial 325:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$   
Monomial 326:  $Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}$   
Monomial 327:  $Z_{3,aq^{12}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$   
Monomial 328:  $Z_{3,aq^8}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$   
Monomial 329:  $Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^4}$   
Monomial 330:  $Z_{3,aq^8}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^8}^{-1}$   
Monomial 331:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^2} Z_{1,-bq^6}^{-1}$   
Monomial 332:  $Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,-bq^2} Z_{1,-bq^4}$   
Monomial 333:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$   
Monomial 334:  $Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^2}$   
Monomial 335:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq}$   
Monomial 336:  $Z_{3,aq^{16}}^{-1} Z_{2,bq} Z_{2,-bq^7}$   
Monomial 337:  $Z_{3,aq^8}^{-1} Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^5}$   
Monomial 338:  $2Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$   
Monomial 339:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,-bq^4}$   
Monomial 340:  $2Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^6}$   
Monomial 341:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^4}$   
Monomial 342:  $Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^5} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$   
Monomial 343:  $2Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^3}$   
Monomial 344:  $Z_{3,aq^8}^3 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-2} Z_{2,-bq^5}^{-2} Z_{1,bq^4} Z_{1,-bq^4}$   
Monomial 345:  $Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^6}^{-1}$   
Monomial 346:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4}$   
Monomial 347:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-2} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$

- Monomial 348:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 349:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-2} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 350:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 351:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^6}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5}$
- Monomial 352:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 353:  $2Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 354:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 355:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 356:  $Z_{3,aq^8}^2 Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-2} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 357:  $Z_{3,aq^8}^2 Z_{4,aq^6} Z_{2,bq^5}^{-2} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 358:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 359:  $2Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 360:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 361:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 362:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 363:  $Z_{3,aq^8}^{-1} Z_{2,bq^3} Z_{2,-bq^3}^2 Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 364:  $Z_{3,aq^8}^{-1} Z_{2,bq^3}^2 Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 365:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 366:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 367:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 368:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^2}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 369:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 370:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 371:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^3} Z_{1,-bq^6}^{-1}$
- Monomial 372:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 373:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^4}^{-1}$
- Monomial 374:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^3} Z_{1,bq^6}^{-1}$
- Monomial 375:  $Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 376:  $2Z_{2,bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^2}$
- Monomial 377:  $Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 378:  $2Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^2}$
- Monomial 379:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6}$
- Monomial 380:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^6}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 381:  $Z_{3,aq^4} Z_{3,aq^8} Z_{4,aq^6}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 382:  $2Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$
- Monomial 383:  $Z_{3,aq^4} Z_{3,aq^8} Z_{4,aq^6}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 384:  $2Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 385:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^4}$
- Monomial 386:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^4}$
- Monomial 387:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 388:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 389:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 390:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 391:  $Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$

- Monomial 392:  $2Z_{3,aq^8}Z_{3,aq^{12}}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^2}Z_{1,-bq^4}$   
 Monomial 393:  $Z_{2,-bq^3}Z_{2,-bq^7}^{-1}Z_{1,bq^2}Z_{1,bq^4}Z_{1,-bq^4}^{-1}$   
 Monomial 394:  $2Z_{3,aq^8}Z_{3,aq^{12}}^{-1}Z_{1,bq^2}Z_{1,bq^4}Z_{1,-bq^6}^{-1}$   
 Monomial 395:  $Z_{3,aq^4}Z_{3,aq^{16}}^{-1}Z_{2,bq^7}Z_{2,-bq^3}^{-1}Z_{1,-bq^2}$   
 Monomial 396:  $Z_{3,aq^8}^{-1}Z_{3,aq^{12}}Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,-bq^7}^{-1}Z_{1,-bq^2}$   
 Monomial 397:  $Z_{3,aq^4}Z_{3,aq^{16}}^{-1}Z_{2,bq^3}Z_{2,-bq^7}^{-1}Z_{1,bq^2}$   
 Monomial 398:  $Z_{3,aq^8}^{-1}Z_{3,aq^{12}}Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^3}Z_{1,bq^2}$   
 Monomial 399:  $Z_{2,bq^5}^{-1}Z_{2,-bq^3}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}$   
 Monomial 400:  $Z_{3,aq^{12}}^{-1}Z_{2,-bq^3}Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,-bq^4}^{-1}$   
 Monomial 401:  $Z_{2,bq^3}^2Z_{2,bq^7}^{-1}Z_{2,-bq^5}^{-1}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^4}$   
 Monomial 402:  $Z_{3,aq^{12}}^{-1}Z_{2,bq^3}^2Z_{2,bq^5}Z_{1,bq^4}Z_{1,-bq^6}^{-1}$   
 Monomial 403:  $Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}^{-1}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}$   
 Monomial 404:  $Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,bq^5}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,-bq^2}$   
 Monomial 405:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}$   
 Monomial 406:  $2Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}^{-1}Z_{2,-bq^3}Z_{1,bq^4}$   
 Monomial 407:  $2Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,-bq^5}^{-1}Z_{1,-bq^4}$   
 Monomial 408:  $Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}^{-1}Z_{1,bq^2}Z_{1,bq^6}^{-1}Z_{1,-bq^4}$   
 Monomial 409:  $Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^5}^{-1}Z_{1,bq^2}Z_{1,-bq^4}$   
 Monomial 410:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,bq^5}Z_{1,bq^2}Z_{1,bq^6}^{-1}Z_{1,-bq^6}^{-1}$   
 Monomial 411:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^2}Z_{4,aq^{10}}Z_{2,bq^5}Z_{1,-bq^8}^{-1}$   
 Monomial 412:  $Z_{4,aq^2}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,-bq^6}$   
 Monomial 413:  $Z_{4,aq^2}Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^6}$   
 Monomial 414:  $Z_{4,aq^2}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^6}$   
 Monomial 415:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^2}Z_{4,aq^{10}}Z_{2,-bq^5}Z_{1,bq^8}^{-1}$   
 Monomial 416:  $Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{1,bq^6}Z_{1,-bq^2}Z_{1,-bq^4}$   
 Monomial 417:  $Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{1,bq^2}Z_{1,bq^4}Z_{1,-bq^6}^{-1}$   
 Monomial 418:  $Z_{2,-bq^3}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^2}Z_{1,-bq^6}$   
 Monomial 419:  $Z_{2,bq^5}^{-1}Z_{2,-bq^3}Z_{1,bq^4}Z_{1,-bq^2}Z_{1,-bq^8}^{-1}$   
 Monomial 420:  $Z_{2,bq^3}Z_{2,-bq^5}^{-1}Z_{1,bq^2}Z_{1,bq^8}^{-1}Z_{1,-bq^4}$   
 Monomial 421:  $Z_{2,bq^3}Z_{2,bq^7}^{-1}Z_{1,bq^2}Z_{1,bq^6}Z_{1,-bq^6}^{-1}$   
 Monomial 422:  $Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^2}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}$   
 Monomial 423:  $Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^2}Z_{1,bq^6}^{-1}Z_{1,-bq^2}$   
 Monomial 424:  $Z_{2,bq^9}^{-1}Z_{2,-bq}Z_{1,bq^8}$   
 Monomial 425:  $Z_{2,bq}Z_{2,-bq^9}^{-1}Z_{1,-bq^8}$   
 Monomial 426:  $Z_{3,aq^8}Z_{2,bq^3}Z_{2,-bq^5}^{-2}Z_{2,-bq^7}^{-1}Z_{1,-bq^4}Z_{1,-bq^6}$   
 Monomial 427:  $Z_{3,aq^8}Z_{2,bq^5}^{-2}Z_{2,bq^7}^{-1}Z_{2,-bq^3}Z_{1,bq^4}Z_{1,bq^6}$   
 Monomial 428:  $Z_{3,aq^8}^{-1}Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,bq^5}Z_{2,-bq^3}Z_{2,-bq^5}$   
 Monomial 429:  $Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,-bq^3}Z_{2,-bq^5}Z_{1,-bq^4}Z_{1,-bq^6}^{-1}$   
 Monomial 430:  $Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,bq^3}Z_{2,-bq^5}^{-1}Z_{2,-bq^7}^{-1}$   
 Monomial 431:  $Z_{3,aq^{12}}^{-2}Z_{4,aq^6}Z_{4,aq^{10}}^2Z_{1,bq^4}Z_{1,-bq^4}$   
 Monomial 432:  $Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,bq^5}Z_{2,-bq^3}Z_{1,bq^4}Z_{1,bq^6}^{-1}$   
 Monomial 433:  $Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,bq^5}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^3}$   
 Monomial 434:  $Z_{2,bq^3}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$   
 Monomial 435:  $2Z_{2,bq^3}Z_{2,-bq^3}Z_{2,-bq^5}^{-1}Z_{1,-bq^8}^{-1}$

- Monomial 436:  $2Z_{2,bq^3}Z_{2,-bq^3}Z_{2,-bq^7}Z_{1,-bq^4}^{-1}$
- Monomial 437:  $Z_{2,-bq^3}Z_{1,bq^2}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}$
- Monomial 438:  $2Z_{2,bq^3}Z_{2,bq^5}^{-1}Z_{2,-bq^3}Z_{1,bq^8}^{-1}$
- Monomial 439:  $2Z_{2,bq^3}Z_{2,bq^7}^{-1}Z_{2,-bq^3}Z_{1,bq^4}^{-1}$
- Monomial 440:  $Z_{3,aq^8}^{-1}Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^3}Z_{2,bq^5}Z_{2,-bq^3}Z_{2,-bq^7}^{-1}Z_{1,-bq^6}$
- Monomial 441:  $2Z_{3,aq^{12}}^{-2}Z_{4,aq^{10}}Z_{2,bq^3}Z_{2,bq^5}Z_{1,-bq^4}$
- Monomial 442:  $Z_{3,aq^8}^{-1}Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^3}Z_{2,bq^7}^{-1}Z_{2,-bq^3}Z_{2,-bq^5}Z_{1,bq^6}$
- Monomial 443:  $2Z_{3,aq^{12}}^{-2}Z_{4,aq^{10}}Z_{2,-bq^3}Z_{2,-bq^5}Z_{1,bq^4}$
- Monomial 444:  $Z_{3,aq^{12}}^{-2}Z_{4,aq^{10}}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}$
- Monomial 445:  $Z_{3,aq^{12}}^{-2}Z_{4,aq^{10}}Z_{2,bq^5}^2Z_{1,bq^2}Z_{1,bq^6}^{-1}Z_{1,-bq^4}$
- Monomial 446:  $Z_{3,aq^8}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{1,-bq^2}Z_{1,-bq^4}$
- Monomial 447:  $Z_{3,aq^{12}}^{-1}Z_{2,bq^3}Z_{2,bq^5}Z_{2,-bq^3}Z_{2,-bq^5}Z_{1,bq^4}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 448:  $Z_{3,aq^8}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^2}Z_{1,bq^4}$
- Monomial 449:  $Z_{3,aq^8}^{-1}Z_{3,aq^{16}}^{-1}Z_{4,aq^6}Z_{2,bq^3}Z_{2,bq^7}Z_{1,-bq^2}$
- Monomial 450:  $Z_{3,aq^8}^{-1}Z_{3,aq^{16}}^{-1}Z_{4,aq^6}Z_{2,-bq^3}Z_{2,-bq^7}Z_{1,bq^2}$
- Monomial 451:  $2Z_{3,aq^8}Z_{2,bq^5}Z_{2,-bq^3}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,-bq^6}$
- Monomial 452:  $3Z_{3,aq^8}^2Z_{3,aq^{12}}^{-1}Z_{2,bq^5}^{-1}Z_{2,-bq^5}^{-1}Z_{1,bq^4}Z_{1,-bq^4}$
- Monomial 453:  $2Z_{3,aq^8}Z_{2,bq^3}Z_{2,bq^5}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^5}^{-1}Z_{1,bq^6}Z_{1,-bq^4}$
- Monomial 454:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,-bq^2}Z_{1,-bq^6}^{-1}$
- Monomial 455:  $Z_{3,aq^{12}}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,-bq^7}^{-1}Z_{1,-bq^2}$
- Monomial 456:  $2Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^3}Z_{1,bq^4}$
- Monomial 457:  $2Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,-bq^5}^{-1}Z_{1,-bq^4}$
- Monomial 458:  $Z_{3,aq^8}^3Z_{4,aq^{10}}^{-1}Z_{2,bq^5}^{-1}Z_{2,-bq^5}^{-2}Z_{1,bq^6}^{-1}Z_{1,-bq^4}$
- Monomial 459:  $Z_{3,aq^8}^3Z_{4,aq^{10}}^{-1}Z_{2,bq^5}^{-2}Z_{2,-bq^5}^{-1}Z_{1,bq^4}Z_{1,-bq^6}^{-1}$
- Monomial 460:  $Z_{3,aq^{12}}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}Z_{2,-bq^3}Z_{1,bq^2}$
- Monomial 461:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}^{-1}Z_{1,bq^2}Z_{1,bq^6}^{-1}Z_{1,-bq^4}$
- Monomial 462:  $2Z_{3,aq^8}Z_{3,aq^{12}}^{-1}Z_{2,bq^5}^{-1}Z_{2,-bq^3}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 463:  $Z_{3,aq^{12}}^{-2}Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,-bq^2}Z_{1,-bq^4}$
- Monomial 464:  $Z_{3,aq^8}^2Z_{4,aq^{10}}^{-1}Z_{2,bq^5}^{-1}Z_{2,-bq^3}Z_{1,bq^6}^{-1}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 465:  $2Z_{3,aq^8}Z_{3,aq^{12}}^{-1}Z_{2,bq^3}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^4}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^4}$
- Monomial 466:  $Z_{3,aq^{12}}^{-2}Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^2}Z_{1,bq^4}Z_{1,-bq^6}^{-1}$
- Monomial 467:  $Z_{3,aq^8}^2Z_{4,aq^{10}}^{-1}Z_{2,bq^3}Z_{2,-bq^5}Z_{1,bq^4}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 468:  $Z_{3,aq^4}Z_{4,aq^6}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,-bq^6}$
- Monomial 469:  $Z_{3,aq^4}Z_{4,aq^6}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}Z_{2,-bq^5}Z_{1,bq^6}$
- Monomial 470:  $Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^3}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 471:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{1,bq^6}Z_{1,-bq^2}Z_{1,-bq^4}$
- Monomial 472:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,-bq^3}Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 473:  $Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^4}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^4}$
- Monomial 474:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{1,bq^2}Z_{1,bq^4}Z_{1,-bq^6}^{-1}$
- Monomial 475:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,bq^3}Z_{2,bq^5}Z_{1,bq^4}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 476:  $Z_{2,bq^5}^{-1}Z_{2,-bq^3}Z_{1,bq^4}Z_{1,-bq^4}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 477:  $Z_{3,aq^8}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^2}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 478:  $Z_{2,bq^3}^2Z_{2,-bq^5}Z_{1,bq^4}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^4}$
- Monomial 479:  $Z_{3,aq^8}Z_{2,bq^5}^{-1}Z_{2,bq^7}^{-1}Z_{1,bq^2}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^6}^{-1}$

- Monomial 480:  $Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 481:  $Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$   
 Monomial 482:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{1,-bq^6}^{-1}$   
 Monomial 483:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,-bq^3} Z_{1,bq^6}^{-1}$   
 Monomial 484:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4}$   
 Monomial 485:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^6}$   
 Monomial 486:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^4}$   
 Monomial 487:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}$   
 Monomial 488:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4}^{-1}$   
 Monomial 489:  $2Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{1,-bq^6}^{-1}$   
 Monomial 490:  $Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$   
 Monomial 491:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$   
 Monomial 492:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$   
 Monomial 493:  $Z_{3,aq^8}^2 Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 494:  $Z_{3,aq^8}^{-1} Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^4}^{-1}$   
 Monomial 495:  $2Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{1,bq^6}^{-1}$   
 Monomial 496:  $Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^4}$   
 Monomial 497:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
 Monomial 498:  $2Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^2}$   
 Monomial 499:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$   
 Monomial 500:  $2Z_{3,aq^8} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,-bq^4}$   
 Monomial 501:  $Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$   
 Monomial 502:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 503:  $Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$   
 Monomial 504:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$   
 Monomial 505:  $2Z_{3,aq^8} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^4}$   
 Monomial 506:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}$   
 Monomial 507:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{1,bq^8}^{-1}$   
 Monomial 508:  $Z_{3,aq^4} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5} Z_{1,-bq^8}^{-1}$   
 Monomial 509:  $Z_{3,aq^4} Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{1,-bq^4}^{-1}$   
 Monomial 510:  $Z_{3,aq^4} Z_{3,aq^{16}}^{-1} Z_{2,-bq^7} Z_{1,bq^4}^{-1}$   
 Monomial 511:  $Z_{3,aq^4} Z_{2,bq^9}^{-1} Z_{2,-bq^3}^{-1} Z_{1,bq^8} Z_{1,-bq^2}$   
 Monomial 512:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^2}$   
 Monomial 513:  $Z_{3,aq^4} Z_{2,bq^3}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,-bq^8}$   
 Monomial 514:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,-bq^4}$   
 Monomial 515:  $Z_{2,-bq^3}^2 Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$   
 Monomial 516:  $Z_{2,bq^3}^2 Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$   
 Monomial 517:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$   
 Monomial 518:  $Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$   
 Monomial 519:  $Z_{4,aq^6} Z_{4,aq^{14}} Z_{2,bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 520:  $Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,-bq^6}^{-1}$   
 Monomial 521:  $Z_{4,aq^2} Z_{4,aq^{14}} Z_{2,bq^5} Z_{1,-bq^8}$   
 Monomial 522:  $Z_{4,aq^2} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^8}$   
 Monomial 523:  $Z_{3,aq^{12}} Z_{4,aq^2} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}$

- Monomial 524:  $Z_{4,aq^2} Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 525:  $Z_{4,aq^2} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 526:  $Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,-bq^2}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 527:  $Z_{2,bq^3} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 528:  $Z_{3,aq^{12}} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,-bq^2}$
- Monomial 529:  $Z_{2,-bq} Z_{1,bq^{10}}^{-1}$
- Monomial 530:  $Z_{2,bq} Z_{1,-bq^{10}}^{-1}$
- Monomial 531:  $Z_{2,bq^3} Z_{2,-bq^3} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 532:  $Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 533:  $Z_{3,aq^8}^2 Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 534:  $Z_{3,aq^8}^2 Z_{2,bq^5}^{-2} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 535:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6}$
- Monomial 536:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 537:  $3 Z_{3,aq^8} Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 538:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 539:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 540:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1}$
- Monomial 541:  $2 Z_{3,aq^8} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1}$
- Monomial 542:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 543:  $Z_{3,aq^8} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}$
- Monomial 544:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^6} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 545:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^6} Z_{4,aq^{10}}^2 Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 546:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^3}$
- Monomial 547:  $2 Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3}$
- Monomial 548:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 549:  $Z_{3,aq^8} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^4}$
- Monomial 550:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 551:  $2 Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 552:  $2 Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 553:  $Z_{3,aq^8} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 554:  $Z_{3,aq^8} Z_{2,bq^5}^{-2} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 555:  $Z_{3,aq^8} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 556:  $2 Z_{3,aq^8} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 557:  $2 Z_{3,aq^8} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 558:  $Z_{3,aq^8} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1}$
- Monomial 559:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 560:  $Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 561:  $2 Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{1,-bq^6}$
- Monomial 562:  $2 Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 563:  $Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^4}^{-1}$
- Monomial 564:  $2 Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{1,bq^6}^{-1}$
- Monomial 565:  $Z_{3,aq^8}^{-1} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,-bq^8}^{-1}$
- Monomial 566:  $2 Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$
- Monomial 567:  $Z_{3,aq^8}^{-1} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^8}^{-1}$

- Monomial 568:  $2Z_{3,aq}^{-2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1}$
- Monomial 569:  $Z_{3,aq^8}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,-bq^4}^{-1}$
- Monomial 570:  $Z_{3,aq^8}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^4}^{-1}$
- Monomial 571:  $Z_{3,aq}^{-2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 572:  $Z_{3,aq}^{-2} Z_{4,aq^{10}} Z_{2,bq^5}^2 Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 573:  $Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 574:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 575:  $Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 576:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 577:  $2Z_{3,aq^8} Z_{2,-bq^3} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 578:  $3Z_{3,aq^8}^2 Z_{3,aq^{12}}^{-1} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 579:  $2Z_{3,aq^8} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 580:  $3Z_{3,aq^8}^2 Z_{3,aq^{12}}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 581:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^2}$
- Monomial 582:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 583:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,-bq^4}$
- Monomial 584:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 585:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,-bq^8}^{-1}$
- Monomial 586:  $Z_{3,aq^4} Z_{3,aq^{12}} Z_{4,aq^6}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 587:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^8}^{-1}$
- Monomial 588:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 589:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 590:  $Z_{2,-bq^3}^2 Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 591:  $Z_{2,bq^3}^2 Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 592:  $Z_{3,aq^8}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}$
- Monomial 593:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4}$
- Monomial 594:  $Z_{3,aq^8}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,-bq^6}$
- Monomial 595:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,-bq^4}$
- Monomial 596:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 597:  $Z_{3,aq^8}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 598:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^6}$
- Monomial 599:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 600:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 601:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^2}$
- Monomial 602:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 603:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^2} Z_{1,-bq^4}$
- Monomial 604:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 605:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,bq^4}$
- Monomial 606:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{1,-bq^2}$
- Monomial 607:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,bq^9} Z_{1,bq^8} Z_{1,-bq^2}$
- Monomial 608:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^4} Z_{1,-bq^2}$
- Monomial 609:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^2}$
- Monomial 610:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,-bq^3} Z_{2,-bq^9} Z_{1,bq^2} Z_{1,-bq^8}$
- Monomial 611:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,-bq^4}$

- Monomial 612:  $Z_{3,aq^8}^3 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 613:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$
- Monomial 614:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 615:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^4} Z_{1,-bq^6}$
- Monomial 616:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 617:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 618:  $2Z_{3,aq^8} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 619:  $Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 620:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 621:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,-bq^4}$
- Monomial 622:  $2Z_{3,aq^8} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 623:  $Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 624:  $Z_{3,aq^8} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 625:  $2Z_{3,aq^8} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 626:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 627:  $2Z_{3,aq^8} Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 628:  $Z_{3,aq^{12}} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,-bq^4}^{-1}$
- Monomial 629:  $Z_{3,aq^{12}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^2}$
- Monomial 630:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 631:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 632:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 633:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 634:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 635:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 636:  $Z_{3,aq^4} Z_{2,bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 637:  $Z_{3,aq^4} Z_{2,-bq^9}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^8}$
- Monomial 638:  $Z_{3,aq^4} Z_{2,-bq^3}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2}$
- Monomial 639:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 640:  $Z_{3,aq^4} Z_{2,bq^3}^{-1} Z_{1,bq^2} Z_{1,-bq^{10}}^{-1}$
- Monomial 641:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 642:  $Z_{3,aq^{12}} Z_{4,aq^2} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 643:  $Z_{4,aq^2} Z_{4,aq^{10}} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 644:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^2} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 645:  $Z_{3,aq^{12}} Z_{4,aq^2} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 646:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{1,bq^2} Z_{1,-bq^2}$
- Monomial 647:  $Z_{3,aq^{12}}^{-3} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 648:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 649:  $Z_{3,aq^8} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 650:  $Z_{3,aq^8}^2 Z_{2,-bq^5}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 651:  $Z_{3,aq^8}^2 Z_{2,bq^5}^{-2} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 652:  $Z_{3,aq^8} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 653:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 654:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6}$
- Monomial 655:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$



- Monomial 656:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1}$
- Monomial 657:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-2} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 658:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 659:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3}$
- Monomial 660:  $Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 661:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 662:  $Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 663:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 664:  $Z_{4,aq^{10}} Z_{2,-bq^7}^{-2} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 665:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-2} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 666:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 667:  $Z_{3,aq^8} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 668:  $Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^2}$
- Monomial 669:  $Z_{4,aq^6} Z_{2,-bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 670:  $3Z_{3,aq^8} Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 671:  $3Z_{3,aq^8} Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 672:  $2Z_{3,aq^8}^2 Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}$
- Monomial 673:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 674:  $2Z_{3,aq^8}^2 Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^4}$
- Monomial 675:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 676:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}$
- Monomial 677:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 678:  $Z_{3,aq^8} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 679:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^4}$
- Monomial 680:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 681:  $Z_{3,aq^8} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 682:  $Z_{3,aq^8}^2 Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-2} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 683:  $Z_{3,aq^8} Z_{1,bq^6}^{-1} Z_{1,-bq^2}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 684:  $2Z_{3,aq^8} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 685:  $2Z_{3,aq^8} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 686:  $Z_{3,aq^8}^2 Z_{2,bq^5}^{-2} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 687:  $Z_{3,aq^8} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 688:  $2Z_{3,aq^8} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 689:  $2Z_{3,aq^8} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 690:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^2}$
- Monomial 691:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^2}$
- Monomial 692:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 693:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 694:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 695:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 696:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 697:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 698:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 699:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4}$

- Monomial 700:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 701:  $2Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 702:  $2Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 703:  $Z_{3,aq^{12}}^2 Z_{4,aq^6} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 704:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^4}$
- Monomial 705:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 706:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 707:  $Z_{3,aq^4} Z_{3,aq^{12}} Z_{4,aq^6}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 708:  $Z_{3,aq^4} Z_{3,aq^{12}} Z_{4,aq^6}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 709:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 710:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^5}$
- Monomial 711:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 712:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^7}^{-1}$
- Monomial 713:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^5}^{-1}$
- Monomial 714:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}}^2 Z_{2,-bq^7}^{-1} Z_{1,bq^4}$
- Monomial 715:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 716:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-1} Z_{1,-bq^4}$
- Monomial 717:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 718:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}$
- Monomial 719:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5}^2 Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1}$
- Monomial 720:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 721:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,-bq^4}^{-1}$
- Monomial 722:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$
- Monomial 723:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^4}^{-1}$
- Monomial 724:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1}$
- Monomial 725:  $Z_{3,aq^8}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,-bq^8}^{-1}$
- Monomial 726:  $Z_{3,aq^8}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 727:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 728:  $Z_{3,aq^8}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^8}^{-1}$
- Monomial 729:  $Z_{3,aq^8}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 730:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 731:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,bq^9} Z_{2,-bq^3} Z_{1,bq^8} Z_{1,-bq^4}^{-1}$
- Monomial 732:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 733:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^9} Z_{1,bq^4}^{-1} Z_{1,-bq^8}$
- Monomial 734:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^4}^{-1} Z_{1,-bq^4}$
- Monomial 735:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 736:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 737:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 738:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 739:  $Z_{3,aq^{12}} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^4}^{-1} Z_{1,-bq^4}$
- Monomial 740:  $3Z_{3,aq^8}^2 Z_{3,aq^{12}}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 741:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^4} Z_{1,-bq^2}$
- Monomial 742:  $2Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^2}$
- Monomial 743:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,-bq^4}$

- Monomial 744:  $2Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{1,bq^2}Z_{1,-bq^4}$
- Monomial 745:  $Z_{3,aq^4}Z_{3,aq^{16}}^{-1}Z_{4,aq^6}^{-1}Z_{1,bq^6}Z_{1,-bq^6}$
- Monomial 746:  $Z_{3,aq^8}^{-1}Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,bq^7}^{-1}Z_{2,-bq^3}Z_{2,-bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^6}$
- Monomial 747:  $Z_{3,aq^{12}}Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,-bq^3}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^4}$
- Monomial 748:  $2Z_{3,aq^8}Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^6}$
- Monomial 749:  $Z_{3,aq^{12}}Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,bq^7}^{-1}Z_{1,bq^4}^{-1}Z_{1,-bq^6}$
- Monomial 750:  $2Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^4}$
- Monomial 751:  $2Z_{4,aq^{14}}^{-1}Z_{2,-bq^3}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,-bq^6}$
- Monomial 752:  $Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,-bq^2}Z_{1,-bq^4}$
- Monomial 753:  $Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,-bq^2}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 754:  $Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^2}Z_{1,bq^4}$
- Monomial 755:  $Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^2}Z_{1,bq^4}Z_{1,bq^6}$
- Monomial 756:  $Z_{4,aq^{10}}^{-1}Z_{2,bq^3}Z_{2,bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^2}$
- Monomial 757:  $Z_{3,aq^8}^{-1}Z_{4,aq^6}Z_{2,bq^3}Z_{1,bq^{10}}^{-1}Z_{1,-bq^2}$
- Monomial 758:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^6}Z_{2,bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^2}$
- Monomial 759:  $Z_{4,aq^{10}}^{-1}Z_{2,-bq^3}Z_{2,-bq^9}^{-1}Z_{1,bq^2}Z_{1,-bq^8}$
- Monomial 760:  $Z_{3,aq^8}^{-1}Z_{4,aq^6}Z_{2,-bq^3}Z_{1,bq^2}Z_{1,-bq^{10}}^{-1}$
- Monomial 761:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^6}Z_{2,-bq^7}^{-1}Z_{1,bq^2}Z_{1,-bq^6}^{-1}$
- Monomial 762:  $Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^2}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 763:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^5}Z_{1,bq^6}^{-1}Z_{1,-bq^2}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 764:  $Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^2}Z_{1,bq^4}Z_{1,bq^6}^{-1}Z_{1,-bq^6}$
- Monomial 765:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,-bq^5}Z_{1,bq^2}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 766:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,-bq^3}Z_{1,bq^2}Z_{1,-bq^4}^{-1}$
- Monomial 767:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^3}Z_{1,bq^4}^{-1}Z_{1,-bq^2}$
- Monomial 768:  $Z_{4,aq^{14}}^{-1}Z_{1,bq^4}Z_{1,-bq^2}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 769:  $Z_{4,aq^{14}}^{-1}Z_{1,bq^2}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^4}$
- Monomial 770:  $Z_{3,aq^4}Z_{4,aq^6}^{-1}Z_{4,aq^{10}}Z_{1,bq^8}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 771:  $Z_{3,aq^4}Z_{1,bq^{10}}^{-1}Z_{1,-bq^4}$
- Monomial 772:  $Z_{3,aq^4}Z_{1,bq^4}^{-1}Z_{1,-bq^{10}}^{-1}$
- Monomial 773:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^2}Z_{2,-bq^7}Z_{1,bq^6}^{-1}Z_{1,-bq^8}$
- Monomial 774:  $Z_{3,aq^{12}}Z_{4,aq^2}Z_{4,aq^{14}}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^8}$
- Monomial 775:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^2}Z_{2,bq^7}Z_{1,bq^8}^{-1}Z_{1,-bq^6}$
- Monomial 776:  $Z_{4,aq^{18}}^{-1}Z_{1,bq^2}Z_{1,-bq^2}$
- Monomial 777:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-2}Z_{1,bq^4}Z_{1,-bq^4}$
- Monomial 778:  $Z_{3,aq^{12}}^{-3}Z_{4,aq^{10}}^2Z_{2,bq^5}^2Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,-bq^4}$
- Monomial 779:  $Z_{3,aq^{12}}^{-3}Z_{4,aq^{10}}^2Z_{2,bq^5}^2Z_{2,-bq^5}Z_{1,bq^4}Z_{1,-bq^6}^{-1}$
- Monomial 780:  $Z_{3,aq^8}Z_{2,-bq^3}Z_{1,bq^6}^{-1}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 781:  $Z_{3,aq^8}Z_{2,bq^3}Z_{1,bq^4}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^6}$
- Monomial 782:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,-bq^3}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 783:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^3}Z_{2,bq^5}Z_{1,bq^4}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^4}$
- Monomial 784:  $Z_{3,aq^{12}}^{-2}Z_{4,aq^{10}}^2Z_{2,bq^5}Z_{2,-bq^7}Z_{1,bq^4}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 785:  $Z_{3,aq^8}^2Z_{2,bq^5}^{-1}Z_{2,-bq^5}^{-1}Z_{1,bq^4}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 786:  $Z_{3,aq^{12}}^{-2}Z_{4,aq^{10}}^2Z_{2,bq^7}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^4}$
- Monomial 787:  $Z_{3,aq^8}^2Z_{2,bq^5}^{-1}Z_{2,-bq^5}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^4}$

- Monomial 788:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 789:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 790:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 791:  $Z_{4,aq^{10}} Z_{2,-bq^3} Z_{2,-bq^7}^{-2} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$
- Monomial 792:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{1,bq^4}$
- Monomial 793:  $Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-2} Z_{1,bq^4}^{-1} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 794:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,-bq^4}$
- Monomial 795:  $Z_{3,aq^8}^2 Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}$
- Monomial 796:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 797:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 798:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-2} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 799:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 800:  $Z_{3,aq^8}^2 Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^4}$
- Monomial 801:  $2Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 802:  $Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 803:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 804:  $Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 805:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 806:  $Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,bq^6} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^4}^{-1}$
- Monomial 807:  $Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 808:  $Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7}^{-2} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 809:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 810:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1}$
- Monomial 811:  $2Z_{3,aq^8}^2 Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 812:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 813:  $2Z_{3,aq^8}^2 Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 814:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^2}$
- Monomial 815:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,-bq^4}$
- Monomial 816:  $Z_{3,aq^8}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 817:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 818:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 819:  $Z_{3,aq^8}^2 Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 820:  $Z_{3,aq^8}^2 Z_{2,bq^5}^{-2} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 821:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 822:  $2Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 823:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 824:  $2Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 825:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-2} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 826:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-2} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 827:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^5}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 828:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 829:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^2}$
- Monomial 830:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 831:  $3Z_{3,aq^8} Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$

- Monomial 832:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^3}^2 Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 833:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^2}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 834:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 835:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 836:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5}^2 Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 837:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 838:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 839:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 840:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 841:  $2Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 842:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 843:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 844:  $2Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 845:  $2Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$
- Monomial 846:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 847:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 848:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 849:  $Z_{3,aq^4} Z_{3,aq^{12}} Z_{4,aq^6}^{-1} Z_{4,aq^{14}}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 850:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 851:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^5}^{-1}$
- Monomial 852:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 853:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^7}^{-1}$
- Monomial 854:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^5}^{-1}$
- Monomial 855:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7}^{-1}$
- Monomial 856:  $Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 857:  $2Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 858:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 859:  $Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 860:  $2Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 861:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 862:  $Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 863:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 864:  $Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2}^{-1}$
- Monomial 865:  $Z_{4,aq^6} Z_{2,bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8} Z_{1,-bq^2}^{-1}$
- Monomial 866:  $Z_{4,aq^6} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 867:  $Z_{4,aq^6} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 868:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,bq^7} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1}$
- Monomial 869:  $2Z_{4,aq^6} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1}$
- Monomial 870:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 871:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{2,-bq^7} Z_{1,-bq^4}^{-1}$
- Monomial 872:  $2Z_{4,aq^6} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 873:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}}^2 Z_{2,bq^7} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$
- Monomial 874:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,-bq^5}^{-1} Z_{1,bq^2}^{-1}$
- Monomial 875:  $2Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^2}^{-1}$

- Monomial 876:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^5}^{-1} Z_{1,-bq^2}$   
 Monomial 877:  $2Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^2}$   
 Monomial 878:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^4}^{-1}$   
 Monomial 879:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 880:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^4}^{-1} Z_{1,-bq^4}$   
 Monomial 881:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$   
 Monomial 882:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$   
 Monomial 883:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,-bq^6}^{-1}$   
 Monomial 884:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,-bq^6}^{-1}$   
 Monomial 885:  $Z_{3,aq^4} Z_{3,aq^{16}}^{-1} Z_{4,aq^6}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$   
 Monomial 886:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$   
 Monomial 887:  $Z_{3,aq^4} Z_{3,aq^{16}}^{-1} Z_{4,aq^6}^{-1} Z_{2,bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$   
 Monomial 888:  $Z_{3,aq^8}^{-1} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$   
 Monomial 889:  $Z_{4,aq^6} Z_{2,bq^3} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^8}$   
 Monomial 890:  $Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$   
 Monomial 891:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1}$   
 Monomial 892:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^2 Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$   
 Monomial 893:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{1,bq^8} Z_{1,-bq^4}^{-1}$   
 Monomial 894:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$   
 Monomial 895:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,-bq^8}$   
 Monomial 896:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$   
 Monomial 897:  $Z_{3,aq^8}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$   
 Monomial 898:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4}$   
 Monomial 899:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$   
 Monomial 900:  $Z_{3,aq^8}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^{10}}$   
 Monomial 901:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^7} Z_{1,bq^4}^{-1} Z_{1,-bq^6}$   
 Monomial 902:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^4}$   
 Monomial 903:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^6}$   
 Monomial 904:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
 Monomial 905:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^6}$   
 Monomial 906:  $Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^8}^{-1}$   
 Monomial 907:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2}$   
 Monomial 908:  $Z_{4,aq^{10}}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,-bq^{10}}$   
 Monomial 909:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
 Monomial 910:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$   
 Monomial 911:  $Z_{4,aq^{18}}^{-1} Z_{2,-bq^3} Z_{1,bq^2} Z_{1,-bq^4}^{-1}$   
 Monomial 912:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^2}$   
 Monomial 913:  $Z_{4,aq^2} Z_{2,-bq^9}^{-1} Z_{1,bq^6}$   
 Monomial 914:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^2} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$   
 Monomial 915:  $Z_{4,aq^2} Z_{2,bq^9} Z_{1,-bq^6}$   
 Monomial 916:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^6}$   
 Monomial 917:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-2} Z_{1,bq^6} Z_{1,-bq^4}$   
 Monomial 918:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$   
 Monomial 919:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-2} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}$

- Monomial 920:  $Z_{3,aq^{12}}^{-3} Z_{4,aq^{10}}^2 Z_{2,bq^5}^2 Z_{2,-bq^5}^2 Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 921:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 922:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 923:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 924:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$   
 Monomial 925:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^4}$   
 Monomial 926:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^5}^2 Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$   
 Monomial 927:  $Z_{3,aq^8}^2 Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 928:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$   
 Monomial 929:  $Z_{3,aq^8}^2 Z_{2,bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 930:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$   
 Monomial 931:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$   
 Monomial 932:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 933:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,bq^7}$   
 Monomial 934:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{2,-bq^7}$   
 Monomial 935:  $Z_{4,aq^{10}} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$   
 Monomial 936:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$   
 Monomial 937:  $Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 938:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{1,bq^4} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 939:  $Z_{4,aq^{10}} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 940:  $Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$   
 Monomial 941:  $Z_{3,aq^8}^2 Z_{3,aq^{12}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1}$   
 Monomial 942:  $Z_{4,aq^6} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2}$   
 Monomial 943:  $Z_{4,aq^6} Z_{1,bq^2} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 944:  $2Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^4}$   
 Monomial 945:  $Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$   
 Monomial 946:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^6}^{-1}$   
 Monomial 947:  $2Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^4}$   
 Monomial 948:  $Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$   
 Monomial 949:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$   
 Monomial 950:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^7} Z_{1,bq^4}$   
 Monomial 951:  $Z_{3,aq^8}^2 Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$   
 Monomial 952:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^7} Z_{1,-bq^4}$   
 Monomial 953:  $Z_{3,aq^8}^2 Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 954:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
 Monomial 955:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$   
 Monomial 956:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^5} Z_{1,bq^2}$   
 Monomial 957:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^5} Z_{1,-bq^2}$   
 Monomial 958:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$   
 Monomial 959:  $5Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7} Z_{1,bq^4}$   
 Monomial 960:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}$   
 Monomial 961:  $5Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,-bq^4}$   
 Monomial 962:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^4}$   
 Monomial 963:  $2Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$

- Monomial 964:  $2Z_{3,aq}^{-2} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 965:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 966:  $4Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 967:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^4}^{-1} Z_{1,-bq^4}$
- Monomial 968:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^2}$
- Monomial 969:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,-bq^6}$
- Monomial 970:  $Z_{3,aq^8}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 971:  $Z_{3,aq^8}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 972:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 973:  $2Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 974:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 975:  $2Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6}$
- Monomial 976:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}$
- Monomial 977:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^4}$
- Monomial 978:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-1} Z_{1,-bq^4}$
- Monomial 979:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{2,-bq^9} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 980:  $Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^7}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6}$
- Monomial 981:  $Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-2} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 982:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^4}$
- Monomial 983:  $2Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 984:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 985:  $2Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 986:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 987:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 988:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 989:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 990:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$
- Monomial 991:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^2} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$
- Monomial 992:  $2Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{1,-bq^8}^{-1}$
- Monomial 993:  $2Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 994:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}$
- Monomial 995:  $Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 996:  $2Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 997:  $2Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7} Z_{1,bq^4}^{-1}$
- Monomial 998:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^2} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 999:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1000:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1001:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1002:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1003:  $2Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1004:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1005:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1006:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 1007:  $Z_{3,aq^8}^2 Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4}$



- Monomial 1008:  $Z_{3,aq^8}^2 Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7} Z_{1,-bq^4}$
- Monomial 1009:  $Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1010:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1011:  $Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1012:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1013:  $Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1014:  $Z_{4,aq^6} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,bq^8} Z_{1,-bq^4}^{-1}$
- Monomial 1015:  $Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 1016:  $Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 1017:  $Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 1018:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1019:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1}$
- Monomial 1020:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,-bq^4}^{-1}$
- Monomial 1021:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^2}$
- Monomial 1022:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 1023:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 1024:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 1025:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 1026:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1027:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^7} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 1028:  $2Z_{4,aq^6} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 1029:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^7} Z_{1,-bq^6}^{-1}$
- Monomial 1030:  $2Z_{4,aq^6} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,-bq^5}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1031:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1032:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}$
- Monomial 1033:  $2Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1034:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1035:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 1036:  $2Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 1037:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 1038:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 1039:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2}$
- Monomial 1040:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^9} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^2}$
- Monomial 1041:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 1042:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,-bq^9} Z_{1,bq^2} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 1043:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1044:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^7} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1045:  $Z_{3,aq^4} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1046:  $Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1047:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,bq^9} Z_{2,-bq^5}^{-1} Z_{1,bq^8}$
- Monomial 1048:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$
- Monomial 1049:  $Z_{4,aq^6} Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1}$
- Monomial 1050:  $Z_{3,aq^8} Z_{4,aq^{18}}^{-1} Z_{2,-bq^5} Z_{1,bq^2}$
- Monomial 1051:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^2}$

- Monomial 1052:  $Z_{3,aq^8} Z_{4,aq^{18}}^{-1} Z_{2,bq^5}^{-1} Z_{1,-bq^2}$
- Monomial 1053:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^2}$
- Monomial 1054:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6}$
- Monomial 1055:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,bq^9}^{-1} Z_{1,-bq^6}$
- Monomial 1056:  $Z_{4,aq^6} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1057:  $Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,-bq^{10}}^{-1}$
- Monomial 1058:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1059:  $Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1060:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{2,-bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1061:  $Z_{3,aq^{16}}^{-1} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1062:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1063:  $Z_{3,aq^{16}}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^6}$
- Monomial 1064:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 1065:  $Z_{4,aq^2} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1066:  $Z_{4,aq^2} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,-bq^8}^{-1}$
- Monomial 1067:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 1068:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 1069:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-2} Z_{1,bq^4} Z_{1,-bq^6}$
- Monomial 1070:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-2} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 1071:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1072:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^4}$
- Monomial 1073:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-1} Z_{1,-bq^4}$
- Monomial 1074:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1075:  $Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1076:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1077:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1078:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-2} Z_{2,bq^5}^2 Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 1079:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 1080:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^5}^2 Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1081:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,-bq^7}^{-2} Z_{1,bq^4} Z_{1,-bq^6}$
- Monomial 1082:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1083:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 1084:  $Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1085:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1086:  $Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 1087:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 1088:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1089:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1090:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{1,bq^4}$
- Monomial 1091:  $4Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4}$
- Monomial 1092:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,-bq^7} Z_{1,-bq^4}$
- Monomial 1093:  $4Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^4}$
- Monomial 1094:  $Z_{4,aq^{10}} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 1095:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$

- Monomial 1096:  $Z_{4,aq^{10}} Z_{2,bq^3} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1097:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1098:  $Z_{4,aq^6} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4}^{-1}$   
 Monomial 1099:  $Z_{4,aq^6} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 1100:  $Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1101:  $Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 1102:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1}$   
 Monomial 1103:  $2Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$   
 Monomial 1104:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1}$   
 Monomial 1105:  $2Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$   
 Monomial 1106:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^6}^{-1}$   
 Monomial 1107:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,-bq^6}^{-1}$   
 Monomial 1108:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
 Monomial 1109:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 1110:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1111:  $2Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{1,bq^4} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1112:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 1113:  $2Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1}$   
 Monomial 1114:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1115:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1}$   
 Monomial 1116:  $Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$   
 Monomial 1117:  $5Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1}$   
 Monomial 1118:  $Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1}$   
 Monomial 1119:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2}^{-1}$   
 Monomial 1120:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{1,bq^2} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 1121:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 1122:  $5Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$   
 Monomial 1123:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 1124:  $5Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$   
 Monomial 1125:  $Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1}$   
 Monomial 1126:  $2Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 1127:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 1128:  $Z_{3,aq^8}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1129:  $Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$   
 Monomial 1130:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$   
 Monomial 1131:  $Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
 Monomial 1132:  $2Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6}^{-1}$   
 Monomial 1133:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1}$   
 Monomial 1134:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
 Monomial 1135:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^6}^{-1}$   
 Monomial 1136:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-2} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$   
 Monomial 1137:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1}$   
 Monomial 1138:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-2} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$   
 Monomial 1139:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^2} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$

- Monomial 1140:  $2Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^3}Z_{1,-bq^8}^{-1}$
- Monomial 1141:  $2Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^3}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,-bq^4}^{-1}$
- Monomial 1142:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^2}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}$
- Monomial 1143:  $2Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,-bq^7}^{-1}Z_{1,bq^8}^{-1}$
- Monomial 1144:  $2Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{2,bq^3}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^4}^{-1}$
- Monomial 1145:  $2Z_{3,aq^{12}}Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 1146:  $2Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}^2Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 1147:  $2Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^2Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^6}$
- Monomial 1148:  $2Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}^2Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,bq^6}$
- Monomial 1149:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 1150:  $2Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 1151:  $Z_{3,aq^{12}}^{-1}Z_{2,bq^3}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{1,bq^8}$
- Monomial 1152:  $2Z_{3,aq^{16}}^{-1}Z_{2,bq^3}Z_{1,bq^6}$
- Monomial 1153:  $Z_{3,aq^{12}}^{-1}Z_{2,-bq^3}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,-bq^8}$
- Monomial 1154:  $2Z_{3,aq^{16}}^{-1}Z_{2,-bq^3}Z_{1,-bq^6}$
- Monomial 1155:  $Z_{3,aq^8}^2Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^5}Z_{2,-bq^5}^{-1}$
- Monomial 1156:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}Z_{1,bq^4}$
- Monomial 1157:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,bq^9}^{-1}Z_{1,bq^4}Z_{1,bq^8}$
- Monomial 1158:  $Z_{3,aq^8}^2Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}^{-1}Z_{2,bq^7}Z_{2,-bq^5}Z_{1,bq^6}^{-1}$
- Monomial 1159:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,-bq^7}Z_{1,-bq^4}$
- Monomial 1160:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^6}Z_{4,aq^{10}}Z_{2,-bq^9}^{-1}Z_{1,-bq^4}Z_{1,-bq^8}$
- Monomial 1161:  $Z_{3,aq^8}^2Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}Z_{1,-bq^6}^{-1}$
- Monomial 1162:  $2Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{1,bq^4}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1163:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}^2Z_{2,bq^7}^{-1}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1164:  $2Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^4}$
- Monomial 1165:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}^2Z_{2,-bq^7}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 1166:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^5}Z_{1,bq^2}$
- Monomial 1167:  $2Z_{3,aq^{16}}^{-1}Z_{2,bq^5}Z_{1,bq^2}$
- Monomial 1168:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{14}}Z_{2,bq^7}^{-1}Z_{1,bq^2}Z_{1,bq^6}$
- Monomial 1169:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,-bq^5}Z_{1,-bq^2}$
- Monomial 1170:  $2Z_{3,aq^{16}}^{-1}Z_{2,-bq^5}Z_{1,-bq^2}$
- Monomial 1171:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{14}}Z_{2,-bq^7}^{-1}Z_{1,-bq^2}Z_{1,-bq^6}$
- Monomial 1172:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^7}Z_{2,-bq^3}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 1173:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^3}Z_{2,bq^7}^{-1}Z_{2,-bq^7}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^4}$
- Monomial 1174:  $Z_{3,aq^{12}}^{-1}Z_{2,bq^9}Z_{2,-bq^3}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^8}Z_{1,-bq^4}^{-1}$
- Monomial 1175:  $Z_{3,aq^{12}}^{-1}Z_{2,bq^3}Z_{2,bq^5}Z_{2,-bq^9}Z_{1,bq^4}Z_{1,-bq^4}Z_{1,-bq^8}$
- Monomial 1176:  $Z_{3,aq^{12}}^{-1}Z_{2,bq^5}Z_{2,bq^9}Z_{2,-bq^5}Z_{1,bq^6}Z_{1,bq^8}Z_{1,-bq^2}$
- Monomial 1177:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^5}Z_{2,bq^7}Z_{2,-bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^2}Z_{1,-bq^6}$
- Monomial 1178:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^7}Z_{2,-bq^5}Z_{2,-bq^7}Z_{1,bq^2}Z_{1,bq^6}Z_{1,-bq^6}^{-1}$
- Monomial 1179:  $Z_{3,aq^{12}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}Z_{2,-bq^9}Z_{1,bq^2}Z_{1,-bq^6}Z_{1,-bq^8}$
- Monomial 1180:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^5}Z_{2,-bq^3}Z_{2,-bq^7}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^8}^{-1}$
- Monomial 1181:  $Z_{3,aq^8}^{-1}Z_{2,bq^3}Z_{2,-bq^3}Z_{2,-bq^9}^{-1}Z_{1,bq^6}$
- Monomial 1182:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^3}Z_{2,-bq^5}Z_{2,-bq^7}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1183:  $Z_{3,aq^8}^{-1}Z_{2,bq^3}Z_{2,bq^9}Z_{2,-bq^3}Z_{1,-bq^6}$

- Monomial 1184:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1185:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^5}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1186:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1187:  $2Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 1188:  $2Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1189:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1}$
- Monomial 1190:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^9}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}$
- Monomial 1191:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 1192:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$
- Monomial 1193:  $Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1}$
- Monomial 1194:  $Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 1195:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1196:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1197:  $2Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1198:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 1199:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$
- Monomial 1200:  $2Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1201:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1202:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1203:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 1204:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1205:  $Z_{3,aq^8} Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1}$
- Monomial 1206:  $Z_{3,aq^8} Z_{4,aq^{18}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,-bq^4}^{-1}$
- Monomial 1207:  $Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 1208:  $Z_{3,aq^{12}}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2}$
- Monomial 1209:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{1,bq^4} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 1210:  $Z_{2,bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 1211:  $Z_{3,aq^{16}}^{-1} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 1212:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{1,bq^2} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 1213:  $2Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1}$
- Monomial 1214:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,-bq^8}$
- Monomial 1215:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1216:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1217:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,-bq^{10}}^{-1}$
- Monomial 1218:  $Z_{3,aq^{16}}^{-1} Z_{2,-bq^7} Z_{1,-bq^2} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1219:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{1,bq^2} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 1220:  $Z_{3,aq^{16}} Z_{4,aq^2} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1}$
- Monomial 1221:  $Z_{3,aq^{12}}^{-2} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^4}$
- Monomial 1222:  $Z_{3,aq^{12}}^{-2} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,-bq^4}$
- Monomial 1223:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 1224:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}$
- Monomial 1225:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 1226:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 1227:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^6}^{-1}$

- Monomial 1228:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$
- Monomial 1229:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1230:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1231:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-2} Z_{2,bq^5}^2 Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1232:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-2} Z_{2,-bq^5}^2 Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 1233:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{2,bq^5}^2 Z_{2,-bq^7}^{-2} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1234:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1235:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1236:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1237:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1238:  $Z_{4,aq^{14}}^{-2} Z_{2,bq^5}^2 Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1239:  $Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1240:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^5}^2 Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1241:  $Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^2 Z_{1,bq^4} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1242:  $Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-2} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 1243:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{2,bq^5}^2 Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1244:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1245:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1246:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1247:  $Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8}^{-1}$
- Monomial 1248:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 1249:  $2Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^6}^{-1}$
- Monomial 1250:  $Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 1251:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1252:  $2Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1253:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1}$
- Monomial 1254:  $4Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1}$
- Monomial 1255:  $2Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1}$
- Monomial 1256:  $2Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^4}^{-1}$
- Monomial 1257:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{1,bq^4}^{-1}$
- Monomial 1258:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^6}^{-1}$
- Monomial 1259:  $4Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 1260:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7} Z_{1,-bq^4}^{-1}$
- Monomial 1261:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,-bq^6}^{-1}$
- Monomial 1262:  $4Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^5}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1263:  $Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1264:  $Z_{4,aq^{14}}^{-2} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1265:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{1,bq^2}^{-1}$
- Monomial 1266:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^5} Z_{1,-bq^2}^{-1}$
- Monomial 1267:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1268:  $2Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1269:  $2Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^4}^{-1}$
- Monomial 1270:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^4}^{-1}$
- Monomial 1271:  $Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^8} Z_{1,-bq^2}^{-1}$

- Monomial 1272:  $Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,-bq^8}$
- Monomial 1273:  $Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 1274:  $Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^6}$
- Monomial 1275:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1276:  $2Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1277:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1278:  $2Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1279:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1280:  $Z_{3,aq^8} Z_{4,aq^6} Z_{2,bq^5}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1281:  $Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1282:  $Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1283:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1284:  $2Z_{3,aq^8} Z_{4,aq^{14}} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1285:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1286:  $2Z_{3,aq^8} Z_{4,aq^{14}} Z_{2,bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1287:  $Z_{3,aq^{12}} Z_{4,aq^{14}} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1288:  $Z_{3,aq^{12}} Z_{4,aq^{14}} Z_{2,bq^3} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1289:  $Z_{3,aq^{12}} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1290:  $Z_{3,aq^{12}} Z_{4,aq^{14}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1291:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1292:  $6Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1}$
- Monomial 1293:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 1294:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1295:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1296:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1297:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1298:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1299:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2}$
- Monomial 1300:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,bq^4} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1301:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,-bq^7} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 1302:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^2} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1303:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1304:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1305:  $Z_{3,aq^{12}}^2 Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1}$
- Monomial 1306:  $Z_{3,aq^{16}}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,-bq^2} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1307:  $2Z_{3,aq^{16}}^{-1} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,-bq^8}^{-1}$
- Monomial 1308:  $2Z_{3,aq^{16}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1}$
- Monomial 1309:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^2} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1310:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{1,bq^8}^{-1}$
- Monomial 1311:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1}$
- Monomial 1312:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 1313:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1314:  $4Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6}$
- Monomial 1315:  $4Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$

- Monomial 1316:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1}$
- Monomial 1317:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}$
- Monomial 1318:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1}$
- Monomial 1319:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$
- Monomial 1320:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^6}^{-1}$
- Monomial 1321:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}$
- Monomial 1322:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}}$
- Monomial 1323:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 1324:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$
- Monomial 1325:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}$
- Monomial 1326:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}$
- Monomial 1327:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1328:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 1329:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$
- Monomial 1330:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 1331:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 1332:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$
- Monomial 1333:  $Z_{3,aq^8}^{-1} Z_{2,bq^3} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^8}$
- Monomial 1334:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1335:  $Z_{3,aq^8}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1336:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}$
- Monomial 1337:  $Z_{3,aq^8}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$
- Monomial 1338:  $2Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$
- Monomial 1339:  $Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}$
- Monomial 1340:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 1341:  $2Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}$
- Monomial 1342:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,-bq^5}^{-1} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}$
- Monomial 1343:  $2Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}$
- Monomial 1344:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1345:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}$
- Monomial 1346:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{1,-bq^4}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1347:  $Z_{3,aq^8}^2 Z_{4,aq^{10}}^{-1} Z_{2,bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$
- Monomial 1348:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6}$
- Monomial 1349:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1}$
- Monomial 1350:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 1351:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}$
- Monomial 1352:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^{10}}$
- Monomial 1353:  $Z_{3,aq^{12}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^{10}}$
- Monomial 1354:  $Z_{3,aq^8}^2 Z_{4,aq^{18}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1}$
- Monomial 1355:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^9} Z_{1,bq^4} Z_{1,bq^8}$
- Monomial 1356:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{1,bq^4} Z_{1,bq^{10}}^{-1}$
- Monomial 1357:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^9} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 1358:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^6} Z_{4,aq^{10}} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 1359:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}}^2 Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}$



- Monomial 1360:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6}$   
 Monomial 1361:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{1,bq^2} Z_{1,bq^8}^{-1}$   
 Monomial 1362:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}$   
 Monomial 1363:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$   
 Monomial 1364:  $Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$   
 Monomial 1365:  $Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}$   
 Monomial 1366:  $Z_{3,aq^{12}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4}^{-1}$   
 Monomial 1367:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$   
 Monomial 1368:  $Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^2} Z_{1,-bq^6}$   
 Monomial 1369:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^6} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$   
 Monomial 1370:  $Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$   
 Monomial 1371:  $Z_{3,aq^{16}}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 1372:  $Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6}$   
 Monomial 1373:  $Z_{2,bq^3} Z_{2,bq^9}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$   
 Monomial 1374:  $Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}$   
 Monomial 1375:  $Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$   
 Monomial 1376:  $Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}$   
 Monomial 1377:  $Z_{2,bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$   
 Monomial 1378:  $Z_{3,aq^4} Z_{3,aq^{16}} Z_{4,aq^6}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1}$   
 Monomial 1379:  $Z_{2,-bq^9}^{-1} Z_{1,-bq^2} Z_{1,-bq^4}$   
 Monomial 1380:  $Z_{2,bq^9}^{-1} Z_{1,bq^2} Z_{1,bq^4}$   
 Monomial 1381:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^2} Z_{4,aq^{18}}$   
 Monomial 1382:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,bq^8}$   
 Monomial 1383:  $Z_{3,aq^8} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^4} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 1384:  $Z_{3,aq^{12}}^{-2} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^2 Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,-bq^5}$   
 Monomial 1385:  $Z_{3,aq^{12}}^{-2} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^2 Z_{2,bq^5}^2 Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^6}^{-1}$   
 Monomial 1386:  $Z_{3,aq^{12}}^{-2} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5}^2 Z_{2,-bq^5}^2 Z_{2,-bq^7} Z_{1,-bq^6}^{-1}$   
 Monomial 1387:  $Z_{3,aq^8} Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-2} Z_{1,-bq^6}$   
 Monomial 1388:  $Z_{3,aq^8} Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^6}$   
 Monomial 1389:  $Z_{3,aq^8} Z_{3,aq^{12}}^2 Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1}$   
 Monomial 1390:  $Z_{3,aq^{16}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$   
 Monomial 1391:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$   
 Monomial 1392:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^6}$   
 Monomial 1393:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^4}$   
 Monomial 1394:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^4}$   
 Monomial 1395:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,-bq^4}$   
 Monomial 1396:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^8}$   
 Monomial 1397:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}$   
 Monomial 1398:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}} Z_{2,bq^5}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1399:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 1400:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^4}$   
 Monomial 1401:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^6}$   
 Monomial 1402:  $Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1403:  $Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$

- Monomial 1404:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1405:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{2,bq^5} Z_{1,bq^4}^{-1}$
- Monomial 1406:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6}$
- Monomial 1407:  $2Z_{4,aq^{14}}^{-2} Z_{2,bq^5}^2 Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 1408:  $2Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}$
- Monomial 1409:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,-bq^4}^{-1}$
- Monomial 1410:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 1411:  $2Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1412:  $2Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-2} Z_{1,-bq^6}$
- Monomial 1413:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 1414:  $Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,bq^9} Z_{1,bq^8}$
- Monomial 1415:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1416:  $Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$
- Monomial 1417:  $Z_{4,aq^{14}}^{-2} Z_{2,bq^5}^2 Z_{1,bq^6}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1418:  $Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-2} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1419:  $Z_{4,aq^{14}}^{-2} Z_{2,-bq^5}^2 Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^6}^{-1}$
- Monomial 1420:  $Z_{4,aq^{10}}^2 Z_{2,-bq^7}^{-2} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1421:  $Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^8} Z_{1,-bq^4}^{-1}$
- Monomial 1422:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 1423:  $2Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-2} Z_{2,-bq^5}^2 Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 1424:  $2Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{2,-bq^7}^{-2} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 1425:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 1426:  $Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^8}$
- Monomial 1427:  $Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1428:  $Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^4}$
- Monomial 1429:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1430:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$
- Monomial 1431:  $2Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1432:  $2Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$
- Monomial 1433:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1434:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 1435:  $2Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6}$
- Monomial 1436:  $2Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}$
- Monomial 1437:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}$
- Monomial 1438:  $Z_{3,aq^8}^2 Z_{4,aq^{10}} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,bq^{10}}$
- Monomial 1439:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 1440:  $Z_{3,aq^8}^2 Z_{4,aq^{10}} Z_{2,bq^5}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}$
- Monomial 1441:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,bq^6}$
- Monomial 1442:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{14}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1443:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 1444:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}$
- Monomial 1445:  $2Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1446:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$
- Monomial 1447:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$

- Monomial 1448:  $2Z_{3,aq}^{-1}Z_{4,aq}^2Z_{2,bq}Z_{2,bq}^{-1}Z_{2,-bq}Z_{1,-bq}^{-1}Z_{1,-bq}^{-1}$   
Monomial 1449:  $2Z_{3,aq}Z_{4,aq}^{10}Z_{4,aq}^{-1}Z_{2,bq}^{-1}Z_{2,-bq}^{-2}Z_{1,bq}Z_{1,bq}^6Z_{1,-bq}^6$   
Monomial 1450:  $2Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{4,aq}^{-1}Z_{2,bq}^2Z_{2,-bq}Z_{1,bq}^{-1}Z_{1,bq}^{-1}Z_{1,-bq}^{-1}$   
Monomial 1451:  $2Z_{3,aq}Z_{4,aq}^{12}Z_{4,aq}^{-2}Z_{2,bq}^{-1}Z_{2,-bq}Z_{2,-bq}^{-1}Z_{1,bq}Z_{1,bq}^6$   
Monomial 1452:  $2Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^2Z_{2,-bq}Z_{2,-bq}^{-1}Z_{1,bq}^{-1}Z_{1,bq}^{-1}$   
Monomial 1453:  $Z_{3,aq}^8Z_{3,aq}^{-16}Z_{2,bq}Z_{2,-bq}Z_{1,bq}^{-1}Z_{1,bq}^{-1}Z_{1,-bq}Z_{1,-bq}^6$   
Monomial 1454:  $Z_{3,aq}^8Z_{3,aq}^{-16}Z_{2,bq}^{-1}Z_{2,-bq}Z_{1,bq}Z_{1,bq}^6Z_{1,-bq}^{-1}Z_{1,-bq}^{-1}$   
Monomial 1455:  $2Z_{4,aq}^{10}Z_{4,aq}^{-1}Z_{2,bq}^2Z_{2,-bq}^{-1}Z_{1,bq}^{-1}Z_{1,bq}^{-1}Z_{1,-bq}Z_{1,-bq}^6$   
Monomial 1456:  $2Z_{4,aq}^{10}Z_{4,aq}^{-1}Z_{2,bq}^{-1}Z_{2,-bq}Z_{1,bq}Z_{1,bq}^6Z_{1,-bq}^{-1}Z_{1,-bq}^{-1}$   
Monomial 1457:  $Z_{3,aq}^8Z_{4,aq}^{-1}Z_{4,aq}^{-1}Z_{2,bq}^{-1}Z_{1,bq}Z_{1,bq}^8$   
Monomial 1458:  $Z_{3,aq}^{-1}Z_{4,aq}^6Z_{4,aq}^{10}Z_{2,bq}Z_{1,bq}^{-1}Z_{1,bq}^{-1}$   
Monomial 1459:  $Z_{3,aq}^8Z_{4,aq}^{-1}Z_{4,aq}^{-1}Z_{2,-bq}^{-1}Z_{1,-bq}Z_{1,-bq}^8$   
Monomial 1460:  $Z_{3,aq}^{-1}Z_{4,aq}^6Z_{4,aq}^{10}Z_{2,-bq}Z_{1,-bq}^{-1}Z_{1,-bq}^{-1}$   
Monomial 1461:  $Z_{3,aq}Z_{4,aq}^{12}Z_{4,aq}^{-2}Z_{2,bq}^{-1}Z_{1,bq}Z_{1,bq}^6Z_{1,-bq}Z_{1,-bq}^{-1}$   
Monomial 1462:  $Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^2Z_{1,bq}^{-1}Z_{1,bq}^{-1}Z_{1,-bq}Z_{1,-bq}^{-1}$   
Monomial 1463:  $Z_{3,aq}Z_{4,aq}^{12}Z_{4,aq}^{-2}Z_{2,-bq}^{-1}Z_{1,bq}Z_{1,bq}^8Z_{1,-bq}Z_{1,-bq}^6$   
Monomial 1464:  $Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,-bq}Z_{1,bq}Z_{1,bq}^{-1}Z_{1,-bq}Z_{1,-bq}^{-1}$   
Monomial 1465:  $Z_{3,aq}Z_{4,aq}^{12}Z_{4,aq}^{-1}Z_{4,aq}^{-1}Z_{2,bq}Z_{1,bq}^2Z_{1,bq}^6$   
Monomial 1466:  $Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{4,aq}^{14}Z_{2,bq}^3Z_{1,bq}^{-1}Z_{1,bq}^{-1}$   
Monomial 1467:  $Z_{3,aq}Z_{4,aq}^{12}Z_{4,aq}^{-1}Z_{4,aq}^{-1}Z_{2,-bq}Z_{1,-bq}Z_{1,-bq}^6$   
Monomial 1468:  $Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{4,aq}^{14}Z_{2,-bq}Z_{1,-bq}^{-1}Z_{1,-bq}^{-1}$   
Monomial 1469:  $Z_{3,aq}^8Z_{2,bq}^{-1}Z_{2,-bq}Z_{2,-bq}^{-1}Z_{1,bq}Z_{1,bq}^8Z_{1,-bq}^6$   
Monomial 1470:  $Z_{3,aq}^{-1}Z_{2,bq}^5Z_{2,-bq}Z_{2,-bq}^{-1}Z_{1,bq}^{-1}Z_{1,bq}^{-1}Z_{1,-bq}^{-1}$   
Monomial 1471:  $Z_{3,aq}^8Z_{2,bq}^{-1}Z_{2,bq}^{-1}Z_{2,-bq}Z_{1,bq}^6Z_{1,-bq}Z_{1,-bq}^8$   
Monomial 1472:  $Z_{3,aq}^{-1}Z_{2,bq}^3Z_{2,bq}^5Z_{2,-bq}Z_{1,bq}Z_{1,-bq}Z_{1,-bq}^{-1}$   
Monomial 1473:  $Z_{3,aq}Z_{2,bq}^{-1}Z_{2,bq}^{-1}Z_{2,-bq}Z_{1,bq}^8Z_{1,-bq}Z_{1,-bq}^6$   
Monomial 1474:  $Z_{3,aq}^{-1}Z_{2,bq}^5Z_{2,bq}Z_{2,-bq}Z_{1,bq}^{-1}Z_{1,-bq}Z_{1,-bq}^8$   
Monomial 1475:  $Z_{3,aq}Z_{2,bq}^{-1}Z_{2,-bq}Z_{2,-bq}^{-1}Z_{1,bq}Z_{1,bq}^6Z_{1,-bq}^8$   
Monomial 1476:  $Z_{3,aq}^{-1}Z_{2,bq}^3Z_{2,-bq}Z_{2,-bq}^{-1}Z_{1,bq}Z_{1,bq}^8Z_{1,-bq}^{-1}$   
Monomial 1477:  $Z_{3,aq}^8Z_{2,bq}^{-1}Z_{2,-bq}Z_{2,-bq}^{-1}Z_{1,bq}Z_{1,bq}^6Z_{1,-bq}^4$   
Monomial 1478:  $Z_{3,aq}^{-1}Z_{2,bq}Z_{2,-bq}Z_{2,-bq}^{-1}Z_{1,bq}^{-1}Z_{1,bq}^{-1}Z_{1,-bq}^{-1}$   
Monomial 1479:  $Z_{3,aq}^8Z_{2,bq}^{-1}Z_{2,bq}^{-1}Z_{2,-bq}Z_{1,bq}Z_{1,-bq}Z_{1,-bq}^6$   
Monomial 1480:  $Z_{3,aq}^{-1}Z_{2,bq}^3Z_{2,bq}Z_{2,-bq}Z_{1,bq}^8Z_{1,-bq}Z_{1,-bq}^8$   
Monomial 1481:  $Z_{2,bq}^5Z_{2,-bq}Z_{1,bq}^{-1}Z_{1,bq}^{10}Z_{1,-bq}Z_{1,-bq}^6$   
Monomial 1482:  $Z_{2,bq}^9Z_{2,-bq}Z_{1,bq}Z_{1,bq}^8Z_{1,-bq}Z_{1,-bq}^8$   
Monomial 1483:  $Z_{2,bq}^3Z_{2,-bq}^{-1}Z_{1,bq}^{-1}Z_{1,bq}^{-1}Z_{1,-bq}Z_{1,-bq}^8$   
Monomial 1484:  $Z_{2,bq}^{-1}Z_{2,-bq}Z_{1,bq}Z_{1,bq}^6Z_{1,-bq}^{-1}Z_{1,-bq}^{-1}$   
Monomial 1485:  $Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^{-1}Z_{2,-bq}Z_{1,bq}^{-1}Z_{1,-bq}^{-1}$   
Monomial 1486:  $Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^2Z_{2,-bq}Z_{1,bq}^{-1}Z_{1,-bq}^{-1}$   
Monomial 1487:  $Z_{3,aq}^8Z_{3,aq}^{-16}Z_{2,bq}Z_{2,-bq}Z_{1,bq}Z_{1,-bq}^8$   
Monomial 1488:  $2Z_{4,aq}^{10}Z_{4,aq}^{-1}Z_{2,bq}^5Z_{2,-bq}Z_{1,bq}Z_{1,-bq}^8$   
Monomial 1489:  $Z_{3,aq}^8Z_{3,aq}^{-16}Z_{2,bq}^{-1}Z_{2,-bq}Z_{1,bq}^8Z_{1,-bq}^4$   
Monomial 1490:  $2Z_{4,aq}^{10}Z_{4,aq}^{-1}Z_{2,bq}^{-1}Z_{2,-bq}Z_{1,bq}^{-1}Z_{1,-bq}^4$   
Monomial 1491:  $Z_{4,aq}^{10}Z_{2,bq}^{-1}Z_{2,-bq}Z_{1,bq}^{-1}Z_{1,-bq}Z_{1,-bq}^6$

- Monomial 1492:  $Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 1493:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1494:  $Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,bq^{10}}^{-1}$
- Monomial 1495:  $2Z_{2,bq^3} Z_{2,bq^9}^{-1}$
- Monomial 1496:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1}$
- Monomial 1497:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8}$
- Monomial 1498:  $2Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 1499:  $6Z_{3,aq^8} Z_{3,aq^{16}}^{-1}$
- Monomial 1500:  $Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 1501:  $2Z_{2,-bq^3} Z_{2,-bq^9}^{-1}$
- Monomial 1502:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 1503:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 1504:  $2Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1505:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1}$
- Monomial 1506:  $8Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1}$
- Monomial 1507:  $Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^{10}} Z_{1,-bq^2}$
- Monomial 1508:  $Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,-bq^{10}}^{-1}$
- Monomial 1509:  $Z_{2,bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 1510:  $Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 1511:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1512:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6}^{-1}$
- Monomial 1513:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{4,aq^{14}}^{-1}$
- Monomial 1514:  $Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}^{-1}$
- Monomial 1515:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 1516:  $Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^2} Z_{1,bq^6}^{-1}$
- Monomial 1517:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1}$
- Monomial 1518:  $4Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 1519:  $4Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1520:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6}^{-1}$
- Monomial 1521:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1522:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8}^{-1}$
- Monomial 1523:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 1524:  $Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1525:  $Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 1526:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^9}^{-1}$
- Monomial 1527:  $Z_{2,bq^3} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1528:  $Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 1529:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1530:  $2Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1531:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1}$
- Monomial 1532:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 1533:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1}$
- Monomial 1534:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 1535:  $Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$

- Monomial 1536:  $Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$   
 Monomial 1537:  $Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$   
 Monomial 1538:  $Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$   
 Monomial 1539:  $Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$   
 Monomial 1540:  $Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$   
 Monomial 1541:  $Z_{3,aq^4} Z_{3,aq^{20}}^{-1} Z_{4,aq^6} Z_{4,aq^{18}}$   
 Monomial 1542:  $Z_{4,aq^2} Z_{4,aq^{22}}^{-1}$   
 Monomial 1543:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6} Z_{1,bq^8}$   
 Monomial 1544:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^4} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 1545:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^2 Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$   
 Monomial 1546:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^2 Z_{4,aq^{14}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6}$   
 Monomial 1547:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5}^2 Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$   
 Monomial 1548:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^2 Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$   
 Monomial 1549:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^5}^2 Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^6}^{-1}$   
 Monomial 1550:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,-bq^6}^{-1}$   
 Monomial 1551:  $Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1552:  $Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1}$   
 Monomial 1553:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-2} Z_{2,-bq^5}^2 Z_{1,bq^6} Z_{1,-bq^6}^{-1}$   
 Monomial 1554:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{2,bq^5}^{-2} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$   
 Monomial 1555:  $Z_{3,aq^{12}} Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-2} Z_{2,-bq^7}^{-2} Z_{1,bq^6} Z_{1,-bq^6}$   
 Monomial 1556:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^4} Z_{1,-bq^8}^{-1}$   
 Monomial 1557:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$   
 Monomial 1558:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$   
 Monomial 1559:  $Z_{4,aq^{14}}^{-2} Z_{2,bq^5}^2 Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}^{-1}$   
 Monomial 1560:  $Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1561:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-2} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}$   
 Monomial 1562:  $Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^5}^2 Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 1563:  $Z_{4,aq^{10}}^2 Z_{2,bq^5}^{-2} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$   
 Monomial 1564:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$   
 Monomial 1565:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1566:  $Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$   
 Monomial 1567:  $Z_{2,bq^3} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$   
 Monomial 1568:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1}$   
 Monomial 1569:  $2Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$   
 Monomial 1570:  $Z_{2,-bq^3} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 1571:  $2Z_{3,aq^8} Z_{3,aq^{12}}^{-1} Z_{2,-bq^5} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 1572:  $2Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,-bq^7} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 1573:  $2Z_{3,aq^8} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1}$   
 Monomial 1574:  $4Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1}$   
 Monomial 1575:  $2Z_{3,aq^8} Z_{2,bq^7}^{-1} Z_{2,bq^9} Z_{1,bq^8}$   
 Monomial 1576:  $4Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}$   
 Monomial 1577:  $2Z_{3,aq^8} Z_{2,-bq^7} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$   
 Monomial 1578:  $4Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-2} Z_{1,-bq^6}$   
 Monomial 1579:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$

- Monomial 1580:  $6Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,-bq^5}$
- Monomial 1581:  $Z_{3,aq^{16}}^{-2}Z_{4,aq^{14}}Z_{2,bq^3}Z_{2,-bq^7}Z_{1,bq^4}^{-1}Z_{1,bq^6}$
- Monomial 1582:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-2}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 1583:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-2}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1584:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}^2Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1585:  $Z_{3,aq^{16}}^{-2}Z_{4,aq^6}Z_{2,bq^7}Z_{2,-bq^7}$
- Monomial 1586:  $Z_{3,aq^{12}}Z_{2,-bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,-bq^2}$
- Monomial 1587:  $2Z_{3,aq^8}Z_{2,-bq^5}^{-1}Z_{2,-bq^9}^{-1}Z_{1,-bq^4}$
- Monomial 1588:  $2Z_{3,aq^8}Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{2,-bq^5}^{-1}Z_{2,-bq^7}^{-1}Z_{1,-bq^6}$
- Monomial 1589:  $Z_{3,aq^{12}}Z_{2,bq^7}^{-1}Z_{2,bq^9}^{-1}Z_{1,bq^2}$
- Monomial 1590:  $2Z_{3,aq^8}Z_{2,bq^5}^{-1}Z_{2,bq^9}^{-1}Z_{1,bq^4}$
- Monomial 1591:  $2Z_{3,aq^8}Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{2,bq^5}^{-1}Z_{2,bq^7}^{-1}Z_{1,bq^6}$
- Monomial 1592:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-2}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^8}^{-1}Z_{1,-bq^4}$
- Monomial 1593:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-2}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1594:  $4Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}$
- Monomial 1595:  $4Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1596:  $Z_{3,aq^8}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^5}^{-1}Z_{2,bq^7}^{-1}Z_{1,bq^6}$
- Monomial 1597:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^3}Z_{2,bq^7}^{-1}Z_{1,bq^4}^{-1}Z_{1,bq^6}$
- Monomial 1598:  $Z_{3,aq^8}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,-bq^6}$
- Monomial 1599:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,-bq^3}Z_{2,-bq^7}^{-1}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}$
- Monomial 1600:  $Z_{3,aq^{12}}Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}Z_{2,bq^9}^{-1}Z_{1,bq^8}$
- Monomial 1601:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}$
- Monomial 1602:  $2Z_{3,aq^8}Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}$
- Monomial 1603:  $Z_{3,aq^{12}}Z_{4,aq^6}Z_{4,aq^{14}}^{-1}Z_{2,-bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,-bq^8}$
- Monomial 1604:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}$
- Monomial 1605:  $2Z_{3,aq^{12}}Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-2}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1606:  $2Z_{3,aq^{12}}Z_{4,aq^{14}}^{-2}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1607:  $2Z_{3,aq^{12}}Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,-bq^7}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^6}$
- Monomial 1608:  $2Z_{3,aq^{12}}Z_{4,aq^{14}}^{-2}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,bq^8}^{-1}$
- Monomial 1609:  $Z_{3,aq^{12}}Z_{2,bq^7}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^3}Z_{2,-bq^7}^{-1}Z_{1,bq^8}Z_{1,-bq^4}^{-1}Z_{1,-bq^6}$
- Monomial 1610:  $Z_{3,aq^{12}}Z_{2,bq^3}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^4}^{-1}Z_{1,bq^6}Z_{1,-bq^8}$
- Monomial 1611:  $Z_{3,aq^8}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}Z_{1,bq^8}Z_{1,-bq^6}$
- Monomial 1612:  $Z_{3,aq^8}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}$
- Monomial 1613:  $Z_{3,aq^{16}}Z_{2,bq^3}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,-bq^4}$
- Monomial 1614:  $Z_{3,aq^8}Z_{2,bq^5}Z_{2,bq^7}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^4}$
- Monomial 1615:  $Z_{3,aq^{16}}Z_{2,bq^5}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^3}Z_{2,-bq^9}^{-1}Z_{1,bq^4}$
- Monomial 1616:  $Z_{3,aq^8}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}Z_{1,bq^4}Z_{1,-bq^4}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1617:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{2,bq^5}Z_{2,bq^7}Z_{2,-bq^7}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1618:  $2Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1619:  $Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{2,bq^7}Z_{2,-bq^7}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1620:  $2Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{2,bq^7}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^8}^{-1}$
- Monomial 1621:  $2Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,-bq^7}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1622:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{2,bq^7}Z_{2,-bq^5}Z_{2,-bq^7}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1623:  $2Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$

- Monomial 1624:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^{10}}^{-1}$   
Monomial 1625:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^5}^2 Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}$   
Monomial 1626:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$   
Monomial 1627:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5}^2 Z_{2,-bq^9}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$   
Monomial 1628:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1}$   
Monomial 1629:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,bq^8}^{-1}$   
Monomial 1630:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,-bq^3} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
Monomial 1631:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$   
Monomial 1632:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,bq^{10}}^{-1}$   
Monomial 1633:  $Z_{3,aq^8} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
Monomial 1634:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{10}}^2 Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,-bq^5}$   
Monomial 1635:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1}$   
Monomial 1636:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1}$   
Monomial 1637:  $Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
Monomial 1638:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$   
Monomial 1639:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
Monomial 1640:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1}$   
Monomial 1641:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1}$   
Monomial 1642:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,-bq^3} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
Monomial 1643:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$   
Monomial 1644:  $Z_{2,bq^5} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$   
Monomial 1645:  $Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^4}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$   
Monomial 1646:  $Z_{3,aq^8} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$   
Monomial 1647:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$   
Monomial 1648:  $Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{1,bq^6}^{-1} Z_{1,bq^8} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
Monomial 1649:  $Z_{3,aq^{12}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$   
Monomial 1650:  $Z_{2,bq^3} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}^{-1}$   
Monomial 1651:  $Z_{3,aq^{12}} Z_{2,-bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$   
Monomial 1652:  $Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$   
Monomial 1653:  $Z_{2,bq^3} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,-bq^6} Z_{1,-bq^8}^{-1}$   
Monomial 1654:  $Z_{2,-bq^3} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$   
Monomial 1655:  $Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$   
Monomial 1656:  $Z_{2,-bq^5} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
Monomial 1657:  $Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$   
Monomial 1658:  $Z_{3,aq^8} Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^3} Z_{2,-bq^3}$   
Monomial 1659:  $Z_{2,-bq^3} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}^{-1}$   
Monomial 1660:  $Z_{2,bq^3} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6}^{-1}$   
Monomial 1661:  $Z_{3,aq^4} Z_{4,aq^6}^{-1} Z_{4,aq^{22}}^{-1}$   
Monomial 1662:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^6}$   
Monomial 1663:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^6}$   
Monomial 1664:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}$   
Monomial 1665:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^4}$   
Monomial 1666:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}$   
Monomial 1667:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$

- Monomial 1668:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}$
- Monomial 1669:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^6}$
- Monomial 1670:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 1671:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1672:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,-bq^8}^{-1}$
- Monomial 1673:  $2Z_{4,aq^{10}}^2 Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1674:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^8}^{-1}$
- Monomial 1675:  $2Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1676:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1677:  $2Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1678:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1679:  $2Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^2 Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1680:  $Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1681:  $Z_{4,aq^6} Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1682:  $Z_{4,aq^{10}}^2 Z_{2,bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1683:  $Z_{4,aq^{10}}^2 Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1684:  $Z_{2,bq^7}^{-1} Z_{2,-bq^3} Z_{2,-bq^5} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 1685:  $Z_{2,bq^3} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1686:  $Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1687:  $Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1688:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1689:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1690:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1691:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 1692:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,bq^6}$
- Monomial 1693:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 1694:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 1695:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 1696:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1697:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 1698:  $Z_{3,aq^8} Z_{2,bq^9}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1699:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 1700:  $Z_{3,aq^8} Z_{2,bq^9}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 1701:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 1702:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 1703:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 1704:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1705:  $2Z_{3,aq^8} Z_{2,bq^7}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1706:  $2Z_{3,aq^8} Z_{2,bq^9}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 1707:  $Z_{3,aq^8} Z_{2,-bq^5}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1708:  $2Z_{3,aq^8} Z_{2,-bq^7}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1709:  $2Z_{3,aq^8} Z_{2,-bq^9}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1710:  $2Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,-bq^5}$
- Monomial 1711:  $5Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5}$



- Monomial 1712:  $2Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^5Z_{2,bq}^{-1}Z_{2,bq}^{-1}Z_{2,-bq}^5Z_{1,bq}^8$   
 Monomial 1713:  $5Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^{-1}Z_{2,-bq}^5Z_{1,bq}^6$   
 Monomial 1714:  $2Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^5Z_{2,-bq}^5Z_{2,-bq}^{-1}Z_{2,-bq}^{-1}Z_{2,-bq}^9Z_{1,-bq}^8$   
 Monomial 1715:  $5Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^5Z_{2,-bq}^{-1}Z_{1,-bq}^6$   
 Monomial 1716:  $Z_{3,aq}^8Z_{3,aq}^{-2}Z_{4,aq}^{14}Z_{2,bq}^7Z_{2,-bq}^{-1}Z_{1,-bq}^6$   
 Monomial 1717:  $Z_{3,aq}^8Z_{3,aq}^{-2}Z_{4,aq}^{14}Z_{2,bq}^5Z_{2,-bq}^{-1}Z_{1,bq}^6$   
 Monomial 1718:  $Z_{3,aq}^8Z_{3,aq}^{-2}Z_{4,aq}^{10}Z_{2,bq}^7Z_{2,-bq}^{-1}$   
 Monomial 1719:  $Z_{3,aq}^{12}Z_{2,-bq}^3Z_{2,-bq}^{-1}Z_{2,-bq}^{-1}Z_{2,-bq}^9Z_{1,-bq}^4$   
 Monomial 1720:  $2Z_{3,aq}^8Z_{3,aq}^{12}Z_{3,aq}^{-1}Z_{2,-bq}^5Z_{1,-bq}^8$   
 Monomial 1721:  $Z_{3,aq}^{12}Z_{2,bq}^3Z_{2,bq}^{-1}Z_{2,bq}^{-1}Z_{1,bq}^4$   
 Monomial 1722:  $2Z_{3,aq}^8Z_{3,aq}^{12}Z_{3,aq}^{-1}Z_{2,bq}^5Z_{1,bq}^8$   
 Monomial 1723:  $Z_{4,aq}^{10}Z_{2,bq}^{-1}Z_{2,bq}^{-1}Z_{2,-bq}^{-1}Z_{1,bq}^4Z_{1,bq}^6Z_{1,bq}^8Z_{1,-bq}^6$   
 Monomial 1724:  $Z_{4,aq}^{10}Z_{2,bq}^{-1}Z_{2,-bq}^{-1}Z_{2,-bq}^{-1}Z_{1,bq}^6Z_{1,-bq}^4Z_{1,-bq}^6Z_{1,-bq}^8$   
 Monomial 1725:  $Z_{4,aq}^{14}Z_{2,bq}^7Z_{2,bq}^{-1}Z_{2,-bq}^5Z_{1,bq}^4Z_{1,bq}^6Z_{1,bq}^8$   
 Monomial 1726:  $Z_{4,aq}^{14}Z_{2,bq}^5Z_{2,-bq}^{-1}Z_{2,-bq}^{-1}Z_{1,-bq}^4Z_{1,-bq}^6Z_{1,-bq}^8$   
 Monomial 1727:  $Z_{3,aq}^{12}Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{4,aq}^{14}Z_{2,bq}^5Z_{1,-bq}^8$   
 Monomial 1728:  $Z_{3,aq}^{12}Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{4,aq}^{14}Z_{2,-bq}^5Z_{1,bq}^8$   
 Monomial 1729:  $Z_{3,aq}^{12}Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^2Z_{2,bq}^7Z_{1,bq}^{-1}Z_{1,-bq}^8$   
 Monomial 1730:  $Z_{3,aq}^{12}Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,-bq}^5Z_{2,-bq}^{-1}Z_{1,bq}^{-1}Z_{1,-bq}^6$   
 Monomial 1731:  $Z_{3,aq}^8Z_{3,aq}^{12}Z_{4,aq}^{14}Z_{4,aq}^{18}Z_{2,bq}^5Z_{2,bq}^{-1}Z_{1,bq}^6$   
 Monomial 1732:  $2Z_{3,aq}^{12}Z_{4,aq}^{-2}Z_{2,bq}^{-2}Z_{2,-bq}^5Z_{2,-bq}^{-1}Z_{1,bq}^6$   
 Monomial 1733:  $Z_{3,aq}^8Z_{3,aq}^{12}Z_{4,aq}^{-1}Z_{4,aq}^{18}Z_{2,-bq}^{-1}Z_{2,-bq}^{-1}Z_{1,-bq}^6$   
 Monomial 1734:  $2Z_{3,aq}^{12}Z_{4,aq}^{-2}Z_{2,bq}^5Z_{2,bq}^{-1}Z_{2,-bq}^{-1}Z_{1,-bq}^6$   
 Monomial 1735:  $Z_{3,aq}^8Z_{3,aq}^{12}Z_{4,aq}^{-1}Z_{4,aq}^{14}Z_{2,bq}^{-1}Z_{2,bq}^{-1}Z_{1,bq}^8$   
 Monomial 1736:  $Z_{3,aq}^8Z_{3,aq}^{12}Z_{4,aq}^{-1}Z_{4,aq}^{14}Z_{2,-bq}^{-1}Z_{2,-bq}^{-1}Z_{1,-bq}^8$   
 Monomial 1737:  $Z_{3,aq}^{12}Z_{4,aq}^{-2}Z_{2,bq}^{-2}Z_{1,bq}^6Z_{1,-bq}^4Z_{1,-bq}^8$   
 Monomial 1738:  $Z_{3,aq}^{12}Z_{4,aq}^{-2}Z_{2,-bq}^{-2}Z_{1,bq}^4Z_{1,bq}^{-1}Z_{1,-bq}^6$   
 Monomial 1739:  $Z_{3,aq}^8Z_{3,aq}^{12}Z_{2,bq}^{-1}Z_{2,bq}^{-1}Z_{2,-bq}^{-1}Z_{2,-bq}^{-1}Z_{1,bq}^8Z_{1,-bq}^6$   
 Monomial 1740:  $2Z_{3,aq}^{12}Z_{4,aq}^{10}Z_{4,aq}^{-1}Z_{2,bq}^{-2}Z_{2,-bq}^{-2}Z_{1,bq}^6Z_{1,-bq}^6$   
 Monomial 1741:  $Z_{3,aq}^8Z_{3,aq}^{12}Z_{2,bq}^{-1}Z_{2,bq}^{-1}Z_{2,-bq}^{-1}Z_{2,-bq}^{-1}Z_{1,bq}^6Z_{1,-bq}^8$   
 Monomial 1742:  $Z_{3,aq}^8Z_{3,aq}^{16}Z_{2,bq}^{-1}Z_{2,bq}^{-1}Z_{2,-bq}^{-1}Z_{2,-bq}^{-1}Z_{1,bq}^4Z_{1,-bq}^4$   
 Monomial 1743:  $Z_{3,aq}^{-1}Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^7Z_{2,-bq}^5Z_{2,-bq}^{-1}Z_{1,bq}^4Z_{1,bq}^{-1}Z_{1,-bq}^6Z_{1,-bq}^8$   
 Monomial 1744:  $2Z_{3,aq}^{-1}Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^5Z_{2,-bq}^5Z_{2,-bq}^{-1}Z_{1,-bq}^6Z_{1,-bq}^8$   
 Monomial 1745:  $Z_{3,aq}^{-1}Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^5Z_{2,bq}^7Z_{2,-bq}^{-1}Z_{1,bq}^{-1}Z_{1,bq}^8Z_{1,-bq}^4Z_{1,-bq}^8$   
 Monomial 1746:  $2Z_{3,aq}^{12}Z_{3,aq}^{-1}Z_{4,aq}^{10}Z_{2,bq}^5Z_{2,bq}^7Z_{2,-bq}^5Z_{1,bq}^6Z_{1,bq}^8$   
 Monomial 1747:  $Z_{3,aq}^{-2}Z_{4,aq}^{10}Z_{2,bq}^2Z_{2,-bq}^5Z_{1,bq}^{-1}Z_{1,bq}^{10}$   
 Monomial 1748:  $Z_{3,aq}^{-2}Z_{4,aq}^{10}Z_{2,bq}^5Z_{2,-bq}^5Z_{1,-bq}^{-1}Z_{1,-bq}^{10}$   
 Monomial 1749:  $Z_{3,aq}^{-2}Z_{4,aq}^{14}Z_{2,bq}^3Z_{2,bq}^7Z_{2,-bq}^{-1}Z_{1,bq}^{-1}Z_{1,bq}^8$   
 Monomial 1750:  $Z_{3,aq}^{-2}Z_{4,aq}^{14}Z_{2,bq}^7Z_{2,-bq}^3Z_{2,-bq}^{-1}Z_{1,-bq}^{-1}Z_{1,-bq}^8$   
 Monomial 1751:  $2Z_{3,aq}^{12}Z_{4,aq}^{10}Z_{4,aq}^{-1}Z_{2,bq}^{-2}Z_{2,-bq}^5Z_{1,bq}^6Z_{1,-bq}^{-1}Z_{1,-bq}^8$   
 Monomial 1752:  $2Z_{3,aq}^{12}Z_{4,aq}^{-2}Z_{2,bq}^5Z_{2,bq}^{-1}Z_{2,-bq}^5Z_{1,-bq}^{-1}Z_{1,-bq}^8$   
 Monomial 1753:  $2Z_{3,aq}^{12}Z_{4,aq}^{10}Z_{4,aq}^{-1}Z_{2,bq}^5Z_{2,-bq}^{-2}Z_{1,bq}^{-1}Z_{1,bq}^8Z_{1,-bq}^6$   
 Monomial 1754:  $2Z_{3,aq}^{12}Z_{4,aq}^{-2}Z_{2,bq}^5Z_{2,-bq}^5Z_{2,-bq}^{-1}Z_{1,bq}^{-1}Z_{1,bq}^8$   
 Monomial 1755:  $Z_{3,aq}^8Z_{3,aq}^{-1}Z_{2,bq}^7Z_{2,-bq}^{-1}Z_{1,bq}^6Z_{1,bq}^{-1}Z_{1,-bq}^6Z_{1,-bq}^8$

- Monomial 1756:  $2Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1757:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{1,bq^6}^{-1}Z_{1,bq^{10}}^{-1}$
- Monomial 1758:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,-bq^5}Z_{1,-bq^6}^{-1}Z_{1,-bq^{10}}^{-1}$
- Monomial 1759:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-2}Z_{2,bq^5}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1760:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-2}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1761:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^3}Z_{1,bq^4}^{-1}Z_{1,bq^8}^{-1}$
- Monomial 1762:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,-bq^3}Z_{1,-bq^4}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1763:  $Z_{3,aq^8}Z_{2,bq^5}Z_{2,-bq^5}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1764:  $Z_{3,aq^8}Z_{2,bq^5}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^{10}}^{-1}$
- Monomial 1765:  $Z_{3,aq^{12}}Z_{2,bq^7}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^3}Z_{1,bq^8}^{-1}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1766:  $Z_{3,aq^{12}}Z_{2,bq^3}Z_{2,-bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^4}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1767:  $Z_{3,aq^8}Z_{2,bq^7}^{-1}Z_{2,-bq^5}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^4}^{-1}$
- Monomial 1768:  $Z_{3,aq^8}Z_{2,bq^5}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1769:  $Z_{2,bq^5}Z_{2,-bq^3}Z_{1,bq^6}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1770:  $Z_{2,bq^3}Z_{2,-bq^5}^{-1}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^{10}}^{-1}$
- Monomial 1771:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-2}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1772:  $Z_{3,aq^{12}}Z_{4,aq^{10}}^2Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1773:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-2}Z_{2,bq^5}^2Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1774:  $Z_{3,aq^{12}}Z_{4,aq^{10}}^2Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1775:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-2}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^4}Z_{1,-bq^6}^{-1}$
- Monomial 1776:  $Z_{4,aq^{10}}^2Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1777:  $Z_{3,aq^{12}}^2Z_{4,aq^{14}}^{-2}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1778:  $Z_{4,aq^{10}}^2Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1779:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^4}Z_{1,-bq^6}^{-1}$
- Monomial 1780:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,bq^6}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1781:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^6}^{-1}Z_{1,bq^{10}}^{-1}$
- Monomial 1782:  $2Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{1,bq^4}$
- Monomial 1783:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,-bq^4}Z_{1,-bq^6}^{-1}Z_{1,-bq^{10}}^{-1}$
- Monomial 1784:  $2Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,-bq^9}^{-1}Z_{1,-bq^4}$
- Monomial 1785:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1786:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}^2Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1787:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}^2Z_{4,aq^{18}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^6}^{-1}$
- Monomial 1788:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}^2Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1789:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}^2Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1790:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1791:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1792:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}^2Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}$
- Monomial 1793:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}^{-1}Z_{2,-bq^9}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1794:  $4Z_{3,aq^{12}}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1795:  $4Z_{3,aq^{12}}Z_{4,aq^{10}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^8}^{-1}$
- Monomial 1796:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{1,bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1797:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1798:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{1,bq^4}Z_{1,bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1799:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^4}^{-1}$

- Monomial 1800:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 1801:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1802:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1803:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 1804:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1805:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 1806:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$
- Monomial 1807:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{1,bq^8} Z_{1,-bq^4}^{-1} Z_{1,-bq^6}$
- Monomial 1808:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{2,-bq^7} Z_{1,bq^4}^{-1} Z_{1,bq^6}$
- Monomial 1809:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 1810:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^9} Z_{2,-bq^7} Z_{1,bq^8}$
- Monomial 1811:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$
- Monomial 1812:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,-bq^2}$
- Monomial 1813:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^2}$
- Monomial 1814:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1815:  $Z_{3,aq^8} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1816:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1817:  $Z_{3,aq^{12}} Z_{4,aq^6} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1818:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1819:  $2Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1820:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1821:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1822:  $2Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1823:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 1824:  $Z_{3,aq^{12}} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1825:  $Z_{3,aq^{12}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 1826:  $Z_{3,aq^8} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^5}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 1827:  $Z_{3,aq^8} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 1828:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^3} Z_{2,-bq^5}^{-1} Z_{1,-bq^4}$
- Monomial 1829:  $Z_{3,aq^{16}} Z_{2,bq^3} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^6}$
- Monomial 1830:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 1831:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1832:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^5}^{-1} Z_{2,-bq^3} Z_{1,bq^4}$
- Monomial 1833:  $Z_{3,aq^{16}} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^6}$
- Monomial 1834:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1835:  $Z_{3,aq^8} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1836:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1837:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^{10}}^{-1}$
- Monomial 1838:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 1839:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 1840:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 1841:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^2} Z_{1,bq^8}^{-1}$
- Monomial 1842:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 1843:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$

- Monomial 1844:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^8} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 1845:  $Z_{3,aq^8} Z_{2,-bq^5}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1846:  $Z_{3,aq^8} Z_{2,bq^5}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 1847:  $Z_{3,aq^{12}} Z_{2,bq^7}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 1848:  $Z_{3,aq^{12}} Z_{2,-bq^7}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1849:  $Z_{3,aq^8}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^3} Z_{2,-bq^3}$
- Monomial 1850:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 1851:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 1852:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1853:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 1854:  $Z_{4,aq^{18}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 1855:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 1856:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 1857:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 1858:  $Z_{3,aq^8} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1859:  $Z_{3,aq^8} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1860:  $Z_{4,aq^{14}}^{-2} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,-bq^5}$
- Monomial 1861:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-2} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,bq^8}$
- Monomial 1862:  $Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7}^{-2} Z_{2,-bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 1863:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-2} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,bq^7} Z_{1,-bq^6}$
- Monomial 1864:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-2} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6}$
- Monomial 1865:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-2} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^7}$
- Monomial 1866:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,-bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1}$
- Monomial 1867:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1}$
- Monomial 1868:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1869:  $2 Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^{10}}^{-1}$
- Monomial 1870:  $2 Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^6}^{-1}$
- Monomial 1871:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{1,-bq^4} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1872:  $2 Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1873:  $2 Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 1874:  $2 Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 1875:  $4 Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 1876:  $2 Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^6}$
- Monomial 1877:  $4 Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^6}$
- Monomial 1878:  $2 Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 1879:  $4 Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 1880:  $2 Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 1881:  $2 Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^8}$
- Monomial 1882:  $2 Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$
- Monomial 1883:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,-bq^8}$
- Monomial 1884:  $5 Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{1,-bq^8}$
- Monomial 1885:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^8}$
- Monomial 1886:  $5 Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{1,bq^8}$
- Monomial 1887:  $Z_{3,aq^{12}}^3 Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-2} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^6}$

- Monomial 1888:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 1889:  $Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 1890:  $Z_{3,aq^{16}}^{-2} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1891:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1892:  $Z_{3,aq^{16}}^{-2} Z_{2,bq^7} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 1893:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1894:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1895:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1896:  $Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6}$
- Monomial 1897:  $Z_{3,aq^{12}}^{-2} Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1898:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 1899:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5}^2 Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 1900:  $2 Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1901:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 1902:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1903:  $2 Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1904:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1905:  $2 Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1906:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1907:  $2 Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1908:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^5}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1909:  $2 Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1910:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^5}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1911:  $2 Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 1912:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1913:  $2 Z_{3,aq^{12}}^2 Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 1914:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 1915:  $2 Z_{3,aq^{12}}^2 Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-2} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 1916:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 1917:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 1918:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1919:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1920:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 1921:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 1922:  $Z_{3,aq^8} Z_{3,aq^{16}} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 1923:  $Z_{3,aq^8} Z_{3,aq^{16}} Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 1924:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1925:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 1926:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1927:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 1928:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 1929:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^3} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 1930:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 1931:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^8} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$

- Monomial 1932:  $2Z_{3,aq^{12}}Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1933:  $2Z_{3,aq^{12}}Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1934:  $Z_{3,aq^8}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,bq^6}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1935:  $Z_{3,aq^8}Z_{2,bq^7}Z_{2,-bq^9}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1936:  $Z_{3,aq^8}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1937:  $Z_{3,aq^8}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^{10}}^{-1}$
- Monomial 1938:  $Z_{3,aq^{12}}Z_{2,bq^7}^{-1}Z_{2,-bq^3}Z_{1,bq^{10}}^{-1}Z_{1,-bq^4}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1939:  $Z_{3,aq^{12}}Z_{2,bq^3}Z_{2,-bq^7}Z_{1,bq^4}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^{10}}^{-1}$
- Monomial 1940:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,-bq^5}Z_{1,-bq^6}^{-1}$
- Monomial 1941:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{1,bq^8}Z_{1,-bq^6}^{-1}$
- Monomial 1942:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}Z_{1,bq^6}^{-1}$
- Monomial 1943:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^5}^{-1}Z_{2,-bq^9}Z_{1,bq^6}Z_{1,-bq^8}^{-1}$
- Monomial 1944:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,bq^8}^{-1}$
- Monomial 1945:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{2,bq^7}Z_{2,-bq^9}Z_{1,-bq^8}^{-1}$
- Monomial 1946:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^7}Z_{2,-bq^3}Z_{2,-bq^9}^{-1}Z_{1,-bq^4}^{-1}$
- Monomial 1947:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^3}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,bq^4}^{-1}$
- Monomial 1948:  $Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^7}Z_{1,bq^4}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1949:  $2Z_{4,aq^{10}}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,bq^4}Z_{1,-bq^6}^{-1}$
- Monomial 1950:  $Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^7}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$
- Monomial 1951:  $2Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^9}Z_{1,bq^6}Z_{1,-bq^4}^{-1}$
- Monomial 1952:  $Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}$
- Monomial 1953:  $2Z_{4,aq^{14}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{1,bq^4}^{-1}$
- Monomial 1954:  $Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}Z_{1,-bq^4}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$
- Monomial 1955:  $2Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^9}Z_{1,-bq^4}^{-1}$
- Monomial 1956:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}^2Z_{4,aq^{18}}^{-1}Z_{2,bq^5}Z_{1,-bq^8}^{-1}$
- Monomial 1957:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}^2Z_{4,aq^{14}}Z_{2,bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^8}^{-1}$
- Monomial 1958:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}^2Z_{4,aq^{18}}^{-1}Z_{2,-bq^5}Z_{1,bq^8}^{-1}$
- Monomial 1959:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}^2Z_{4,aq^{14}}Z_{2,-bq^7}Z_{1,bq^8}Z_{1,-bq^6}^{-1}$
- Monomial 1960:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^5}^2Z_{2,bq^7}Z_{1,bq^6}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1961:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^5}^2Z_{2,bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^8}Z_{1,-bq^8}^{-1}$
- Monomial 1962:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,-bq^5}^2Z_{2,-bq^7}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1963:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,-bq^5}^2Z_{2,-bq^9}Z_{1,bq^8}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}^{-1}$
- Monomial 1964:  $2Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}Z_{2,-bq^7}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1965:  $2Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}Z_{2,-bq^7}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1966:  $Z_{3,aq^8}Z_{3,aq^{20}}^{-1}Z_{4,aq^{18}}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,-bq^4}^{-1}$
- Monomial 1967:  $Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}Z_{4,aq^{10}}Z_{2,bq^9}^{-1}Z_{2,-bq^9}Z_{1,bq^4}Z_{1,-bq^4}^{-1}$
- Monomial 1968:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^7}Z_{2,-bq^5}Z_{2,-bq^9}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 1969:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{2,bq^7}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1970:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,bq^9}Z_{2,-bq^7}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1971:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{2,-bq^7}Z_{1,bq^8}^{-1}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 1972:  $Z_{3,aq^{12}}Z_{4,aq^{10}}^2Z_{2,bq^7}^{-1}Z_{2,-bq^7}Z_{1,bq^8}^{-1}Z_{1,-bq^8}^{-1}$
- Monomial 1973:  $2Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{1,bq^8}^{-1}Z_{1,-bq^4}Z_{1,-bq^6}^{-1}$
- Monomial 1974:  $2Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^8}^{-1}$
- Monomial 1975:  $Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^9}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^6}^{-1}$

- Monomial 1976:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 1977:  $Z_{4,aq^{10}}^2 Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 1978:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 1979:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^2 Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 1980:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^8}$
- Monomial 1981:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 1982:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 1983:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{1,bq^8} Z_{1,-bq^4} Z_{1,-bq^{10}}$
- Monomial 1984:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{1,bq^8} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1985:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,-bq^3} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 1986:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 1987:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^3} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^{10}}$
- Monomial 1988:  $Z_{4,aq^6} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^8}$
- Monomial 1989:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1}$
- Monomial 1990:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^6} Z_{2,bq^7} Z_{1,-bq^{10}}^{-1}$
- Monomial 1991:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,-bq^2}$
- Monomial 1992:  $Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^2}$
- Monomial 1993:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^2}$
- Monomial 1994:  $Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,-bq^8}$
- Monomial 1995:  $Z_{4,aq^{22}}^{-1} Z_{2,bq^3} Z_{2,-bq^5} Z_{1,-bq^4}$
- Monomial 1996:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^3} Z_{1,-bq^6}$
- Monomial 1997:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 1998:  $Z_{4,aq^{22}}^{-1} Z_{2,bq^5} Z_{2,-bq^3} Z_{1,bq^4}$
- Monomial 1999:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,-bq^3} Z_{1,bq^6}^{-1}$
- Monomial 2000:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 2001:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2002:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^{10}}$
- Monomial 2003:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2004:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^7} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}$
- Monomial 2005:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^8} Z_{1,-bq^2} Z_{1,-bq^8}$
- Monomial 2006:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}$
- Monomial 2007:  $Z_{4,aq^{18}}^{-1} Z_{1,bq^2} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2008:  $Z_{4,aq^{18}}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2} Z_{1,-bq^6}$
- Monomial 2009:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 2010:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2011:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 2012:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^6}$
- Monomial 2013:  $Z_{3,aq^{12}} Z_{4,aq^{10}}^{-2} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 2014:  $Z_{3,aq^{12}} Z_{4,aq^{10}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^{-2} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2015:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,bq^9}^{-2} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,bq^8}$
- Monomial 2016:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7} Z_{2,-bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2017:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-2} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,-bq^8}$
- Monomial 2018:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-2} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^8}$
- Monomial 2019:  $Z_{4,aq^{10}}^{-1} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$

- Monomial 2020:  $2Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}$
- Monomial 2021:  $2Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^6}$
- Monomial 2022:  $Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}Z_{1,-bq^{10}}^{-1}$
- Monomial 2023:  $2Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^{10}}^{-1}$
- Monomial 2024:  $2Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,bq^6}^{-1}Z_{1,-bq^6}$
- Monomial 2025:  $Z_{4,aq^{14}}^{-1}Z_{2,-bq^5}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,bq^{10}}^{-1}$
- Monomial 2026:  $2Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^{10}}^{-1}$
- Monomial 2027:  $2Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{1,bq^6}^{-1}$
- Monomial 2028:  $Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}Z_{1,-bq^{10}}^{-1}$
- Monomial 2029:  $2Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,-bq^{10}}^{-1}$
- Monomial 2030:  $2Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,-bq^6}^{-1}$
- Monomial 2031:  $2Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^5}Z_{1,-bq^8}^{-1}$
- Monomial 2032:  $4Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{1,-bq^8}^{-1}$
- Monomial 2033:  $2Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,-bq^5}Z_{1,bq^8}^{-1}$
- Monomial 2034:  $4Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,-bq^5}Z_{1,bq^8}^{-1}$
- Monomial 2035:  $2Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{2,bq^9}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^8}$
- Monomial 2036:  $4Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^8}^{-1}$
- Monomial 2037:  $2Z_{4,aq^{10}}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^8}$
- Monomial 2038:  $4Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{2,-bq^7}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^6}$
- Monomial 2039:  $Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}$
- Monomial 2040:  $2Z_{3,aq^{16}}^{-2}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}$
- Monomial 2041:  $Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{1,-bq^6}$
- Monomial 2042:  $2Z_{3,aq^{16}}^{-2}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{1,-bq^6}$
- Monomial 2043:  $Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}^{-1}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^8}$
- Monomial 2044:  $Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}^{-1}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,-bq^8}$
- Monomial 2045:  $Z_{3,aq^{16}}^{-2}Z_{2,-bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 2046:  $Z_{3,aq^{16}}^{-2}Z_{2,bq^7}^{-1}Z_{1,bq^4}Z_{1,bq^8}^{-1}Z_{1,-bq^6}$
- Monomial 2047:  $Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^6}$
- Monomial 2048:  $2Z_{3,aq^{16}}^{-2}Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{1,bq^6}Z_{1,-bq^6}$
- Monomial 2049:  $Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{14}}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,-bq^8}$
- Monomial 2050:  $Z_{3,aq^{12}}^{-1}Z_{3,aq^{20}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{1,bq^4}Z_{1,-bq^4}$
- Monomial 2051:  $Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^4}Z_{1,bq^8}^{-1}$
- Monomial 2052:  $2Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{2,-bq^9}^{-1}$
- Monomial 2053:  $Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^7}^{-1}Z_{1,-bq^4}Z_{1,-bq^8}^{-1}$
- Monomial 2054:  $2Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^5}$
- Monomial 2055:  $Z_{4,aq^{10}}Z_{2,bq^7}^{-2}Z_{2,-bq^5}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}$
- Monomial 2056:  $Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,-bq^7}^{-2}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$
- Monomial 2057:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^7}$
- Monomial 2058:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}$
- Monomial 2059:  $Z_{3,aq^{12}}^3Z_{4,aq^{14}}^{-2}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-2}Z_{1,bq^8}^{-1}Z_{1,-bq^6}$
- Monomial 2060:  $Z_{3,aq^{12}}^3Z_{4,aq^{14}}^{-2}Z_{2,bq^7}^{-2}Z_{2,-bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^8}^{-1}$
- Monomial 2061:  $Z_{3,aq^{16}}^{-2}Z_{2,bq^7}Z_{2,-bq^7}^{-1}Z_{1,bq^8}Z_{1,-bq^4}Z_{1,-bq^6}$
- Monomial 2062:  $Z_{3,aq^{12}}^2Z_{4,aq^{14}}^{-2}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,bq^8}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}^{-1}$
- Monomial 2063:  $Z_{3,aq^{16}}^{-2}Z_{2,bq^7}Z_{2,-bq^7}^{-1}Z_{1,bq^4}Z_{1,bq^6}Z_{1,-bq^8}^{-1}$



- Monomial 2064:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-2} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2065:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 2066:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2067:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6}$
- Monomial 2068:  $2Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 2069:  $3Z_{3,aq^{12}}^2 Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 2070:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 2071:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 2072:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^8}$
- Monomial 2073:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5}^2 Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2074:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2075:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2076:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5}^2 Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2077:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2078:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2079:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 2080:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2081:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 2082:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2083:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5}^2 Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2084:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$
- Monomial 2085:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 2086:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2087:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^3} Z_{2,bq^7}^{-1} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}$
- Monomial 2088:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2089:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,-bq^3} Z_{2,-bq^7}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2090:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^8}$
- Monomial 2091:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2092:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}$
- Monomial 2093:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2094:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2095:  $2Z_{4,aq^{10}} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,-bq^8}$
- Monomial 2096:  $Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6} Z_{1,-bq^{10}}$
- Monomial 2097:  $2Z_{4,aq^{10}} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 2098:  $Z_{3,aq^{16}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2099:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 2100:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2101:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,-bq^6}$
- Monomial 2102:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^6} Z_{1,-bq^{10}}$
- Monomial 2103:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^4}$
- Monomial 2104:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2105:  $2Z_{3,aq^{12}}^2 Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2106:  $Z_{3,aq^8} Z_{3,aq^{12}} Z_{2,bq^5}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}$
- Monomial 2107:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{1,bq^{10}}$

- Monomial 2108:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^{-1} Z_{2,bq^7} Z_{1,-bq^{10}}^{-1}$
- Monomial 2109:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 2110:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2111:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,-bq^5} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2112:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^5}^{-1} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2113:  $Z_{3,aq^8} Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 2114:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 2115:  $Z_{3,aq^8} Z_{3,aq^{16}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 2116:  $Z_{3,aq^8} Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^5}^{-1} Z_{1,bq^4} Z_{1,-bq^6}$
- Monomial 2117:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}} Z_{4,aq^{10}} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 2118:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 2119:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 2120:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^4}^{-1}$
- Monomial 2121:  $Z_{4,aq^{14}} Z_{2,bq^3} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,-bq^8}$
- Monomial 2122:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^3} Z_{2,-bq^9}^{-1} Z_{1,-bq^4}^{-1}$
- Monomial 2123:  $Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^4}^{-1}$
- Monomial 2124:  $Z_{3,aq^8} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 2125:  $Z_{3,aq^8} Z_{4,aq^{18}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^9} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 2126:  $Z_{3,aq^8} Z_{4,aq^{10}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9} Z_{1,bq^8} Z_{1,-bq^8}$
- Monomial 2127:  $Z_{4,aq^{10}}^2 Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 2128:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}}^2 Z_{4,aq^{14}} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2129:  $Z_{4,aq^{10}}^2 Z_{4,aq^{18}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 2130:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{2,bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 2131:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^5}^2 Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2132:  $Z_{3,aq^8} Z_{4,aq^{22}}^{-1} Z_{2,bq^5}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 2133:  $Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9} Z_{1,bq^4} Z_{1,-bq^4}$
- Monomial 2134:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2135:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 2136:  $Z_{4,aq^{18}}^{-1} Z_{2,-bq^3} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4} Z_{1,-bq^6}$
- Monomial 2137:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{1,bq^4} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2138:  $Z_{4,aq^6} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}} Z_{1,-bq^8}$
- Monomial 2139:  $Z_{4,aq^6} Z_{2,bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^{10}}^{-1}$
- Monomial 2140:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9} Z_{1,bq^8} Z_{1,-bq^2}$
- Monomial 2141:  $Z_{4,aq^{14}} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2}$
- Monomial 2142:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9} Z_{1,bq^2} Z_{1,-bq^8}$
- Monomial 2143:  $Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{1,bq^2} Z_{1,-bq^{10}}^{-1}$
- Monomial 2144:  $Z_{4,aq^{22}}^{-1} Z_{2,bq^3} Z_{1,-bq^6}^{-1}$
- Monomial 2145:  $Z_{4,aq^{22}}^{-1} Z_{2,-bq^3} Z_{1,bq^6}^{-1}$
- Monomial 2146:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{1,bq^2} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2147:  $Z_{4,aq^{18}}^{-1} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1} Z_{1,-bq^2} Z_{1,-bq^8}^{-1}$
- Monomial 2148:  $Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2149:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8} Z_{1,-bq^{10}}^{-1}$
- Monomial 2150:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 2151:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,-bq^6} Z_{1,-bq^8} Z_{1,-bq^{10}}^{-1}$

- Monomial 2152:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{1,-bq^8}^{-1}$   
 Monomial 2153:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-2} Z_{4,aq^{18}}^{-1} Z_{2,-bq^5} Z_{1,bq^8}^{-1}$   
 Monomial 2154:  $Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^7}^{-2} Z_{2,bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$   
 Monomial 2155:  $Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,-bq^7}^{-2} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2156:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-2} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}$   
 Monomial 2157:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-2} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6}$   
 Monomial 2158:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-2} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2159:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$   
 Monomial 2160:  $Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^8} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2161:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{1,-bq^6}$   
 Monomial 2162:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6}$   
 Monomial 2163:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6}$   
 Monomial 2164:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2165:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^8}$   
 Monomial 2166:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2167:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^9}^{-1}$   
 Monomial 2168:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}$   
 Monomial 2169:  $3 Z_{3,aq^{12}} Z_{3,aq^{16}}^{-2} Z_{1,bq^6} Z_{1,-bq^6}$   
 Monomial 2170:  $Z_{4,aq^{10}} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 2171:  $2 Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 2172:  $2 Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$   
 Monomial 2173:  $Z_{4,aq^{10}} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2174:  $2 Z_{4,aq^{10}} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2175:  $2 Z_{4,aq^{10}} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 2176:  $Z_{3,aq^{16}}^{-2} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 2177:  $Z_{3,aq^{16}}^{-2} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$   
 Monomial 2178:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}^{-1}$   
 Monomial 2179:  $Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1}$   
 Monomial 2180:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$   
 Monomial 2181:  $2 Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$   
 Monomial 2182:  $2 Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}$   
 Monomial 2183:  $Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^7}^{-2} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$   
 Monomial 2184:  $2 Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$   
 Monomial 2185:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2186:  $2 Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2187:  $2 Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$   
 Monomial 2188:  $Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-2} Z_{1,bq^6} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2189:  $2 Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6}$   
 Monomial 2190:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-2} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,bq^{10}}^{-1}$   
 Monomial 2191:  $2 Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5}$   
 Monomial 2192:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2193:  $2 Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1}$   
 Monomial 2194:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,-bq^8}^{-1}$   
 Monomial 2195:  $2 Z_{3,aq^{16}}^{-2} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,-bq^8}^{-1}$

- Monomial 2196:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^8}^{-1}$
- Monomial 2197:  $2Z_{3,aq^{16}}^{-2} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^8}^{-1}$
- Monomial 2198:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 2199:  $2Z_{3,aq^{16}}^{-2} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 2200:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^9} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2201:  $2Z_{3,aq^{16}}^{-2} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 2202:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1}$
- Monomial 2203:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,-bq^{10}}^{-1}$
- Monomial 2204:  $Z_{3,aq^{16}}^{-2} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 2205:  $Z_{3,aq^{16}}^{-2} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2206:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^5} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2207:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2208:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$
- Monomial 2209:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$
- Monomial 2210:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^7} Z_{2,-bq^9} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 2211:  $Z_{3,aq^{16}} Z_{4,aq^{10}} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{2,-bq^9} Z_{1,bq^4}$
- Monomial 2212:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 2213:  $Z_{3,aq^{16}} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9} Z_{1,-bq^4}$
- Monomial 2214:  $Z_{3,aq^8} Z_{4,aq^{18}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}$
- Monomial 2215:  $Z_{3,aq^8} Z_{4,aq^{14}} Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9} Z_{1,-bq^8}$
- Monomial 2216:  $Z_{3,aq^8} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^5}^{-1} Z_{2,-bq^9}^{-1}$
- Monomial 2217:  $Z_{3,aq^8} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}$
- Monomial 2218:  $2Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 2219:  $3Z_{3,aq^{12}}^2 Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 2220:  $2Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 2221:  $3Z_{3,aq^{12}}^2 Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 2222:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 2223:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^8}$
- Monomial 2224:  $Z_{3,aq^{12}}^3 Z_{4,aq^{14}}^{-2} Z_{2,bq^7}^{-1} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2225:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 2226:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2227:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 2228:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 2229:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5}^2 Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2230:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2231:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^3} Z_{2,bq^7} Z_{1,bq^4}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2232:  $Z_{4,aq^{18}}^{-1} Z_{2,-bq^3} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 2233:  $4Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2234:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 2235:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}} Z_{1,bq^6} Z_{1,-bq^6}$
- Monomial 2236:  $2Z_{3,aq^{16}}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 2237:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 2238:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 2239:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^8}$

- Monomial 2240:  $2Z_{3,aq^{16}}^{-1}Z_{2,-bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,-bq^4}$   
 Monomial 2241:  $2Z_{3,aq^{16}}^{-1}Z_{2,bq^7}Z_{2,bq^9}^{-1}Z_{1,bq^4}Z_{1,-bq^6}$   
 Monomial 2242:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{22}}^{-1}Z_{1,bq^4}Z_{1,-bq^4}$   
 Monomial 2243:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}Z_{1,bq^4}Z_{1,-bq^4}$   
 Monomial 2244:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,-bq^4}Z_{1,-bq^6}$   
 Monomial 2245:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^4}Z_{1,-bq^6}Z_{1,-bq^8}$   
 Monomial 2246:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,bq^4}Z_{1,bq^6}Z_{1,bq^8}Z_{1,-bq^8}^{-1}$   
 Monomial 2247:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^4}Z_{1,bq^6}$   
 Monomial 2248:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{1,bq^4}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}^{-1}$   
 Monomial 2249:  $2Z_{3,aq^{12}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^9}^{-1}Z_{1,bq^4}Z_{1,-bq^8}^{-1}$   
 Monomial 2250:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^8}Z_{1,-bq^4}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2251:  $2Z_{3,aq^{12}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^4}$   
 Monomial 2252:  $Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,-bq^6}^{-1}$   
 Monomial 2253:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,bq^4}Z_{1,-bq^6}^{-1}$   
 Monomial 2254:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,-bq^4}$   
 Monomial 2255:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^3}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^4}Z_{1,-bq^8}$   
 Monomial 2256:  $Z_{3,aq^8}Z_{4,aq^{18}}^{-1}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^8}$   
 Monomial 2257:  $Z_{4,aq^{14}}Z_{2,bq^3}Z_{2,bq^9}^{-1}Z_{1,bq^4}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2258:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^5}Z_{2,bq^7}^{-1}Z_{1,bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2259:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^3}Z_{2,-bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^4}^{-1}$   
 Monomial 2260:  $Z_{3,aq^8}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}Z_{1,bq^8}Z_{1,-bq^8}^{-1}$   
 Monomial 2261:  $Z_{4,aq^{14}}Z_{2,-bq^3}Z_{2,-bq^9}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^4}^{-1}$   
 Monomial 2262:  $Z_{3,aq^8}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,-bq^5}Z_{2,-bq^7}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}^{-1}$   
 Monomial 2263:  $Z_{3,aq^{16}}^{-1}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2264:  $Z_{3,aq^{16}}^{-1}Z_{1,bq^4}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}$   
 Monomial 2265:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^{10}}Z_{1,-bq^8}$   
 Monomial 2266:  $Z_{3,aq^8}Z_{4,aq^{10}}^{-1}Z_{2,bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2267:  $Z_{3,aq^8}Z_{4,aq^{18}}^{-1}Z_{2,-bq^5}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}$   
 Monomial 2268:  $Z_{3,aq^8}Z_{4,aq^{18}}^{-1}Z_{2,bq^5}Z_{1,bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2269:  $Z_{3,aq^8}Z_{4,aq^{22}}^{-1}Z_{2,-bq^5}Z_{1,bq^6}Z_{1,-bq^4}$   
 Monomial 2270:  $Z_{3,aq^8}Z_{3,aq^{20}}^{-1}Z_{4,aq^{18}}Z_{1,bq^6}Z_{1,-bq^6}^{-1}$   
 Monomial 2271:  $Z_{3,aq^8}Z_{4,aq^{22}}^{-1}Z_{2,bq^5}Z_{1,bq^4}Z_{1,-bq^6}^{-1}$   
 Monomial 2272:  $Z_{4,aq^{10}}^2Z_{4,aq^{18}}^{-1}Z_{1,bq^8}Z_{1,-bq^8}^{-1}$   
 Monomial 2273:  $Z_{4,aq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2274:  $Z_{3,aq^{20}}^{-1}Z_{1,bq^8}Z_{1,-bq^2}$   
 Monomial 2275:  $Z_{3,aq^{16}}Z_{4,aq^{18}}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^{10}}Z_{1,-bq^2}$   
 Monomial 2276:  $Z_{3,aq^{20}}^{-1}Z_{1,bq^2}Z_{1,-bq^8}$   
 Monomial 2277:  $Z_{3,aq^{16}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{1,bq^2}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2278:  $Z_{3,aq^{16}}^{-3}Z_{4,aq^{14}}Z_{2,bq^7}Z_{2,-bq^7}Z_{1,bq^6}Z_{1,-bq^6}$   
 Monomial 2279:  $Z_{4,aq^{10}}Z_{2,bq^5}Z_{1,bq^6}Z_{1,bq^8}Z_{1,bq^{10}}Z_{1,-bq^8}^{-1}$   
 Monomial 2280:  $Z_{4,aq^{10}}Z_{2,-bq^5}Z_{1,bq^8}Z_{1,-bq^6}Z_{1,-bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2281:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}Z_{1,bq^6}Z_{1,bq^8}Z_{1,bq^{10}}Z_{1,-bq^6}$   
 Monomial 2282:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}Z_{2,-bq^5}Z_{1,bq^6}Z_{1,-bq^6}Z_{1,-bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2283:  $Z_{3,aq^{12}}^2Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}Z_{2,bq^7}Z_{1,bq^6}Z_{1,-bq^8}^{-1}$

- Monomial 2284:  $Z_{3,aq}^2 Z_{4,aq}^{-2} Z_{4,aq}^{-1} Z_{2,-bq}^{-1} Z_{1,bq}^{-1} Z_{1,-bq}^6$
- Monomial 2285:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^{-2} Z_{2,bq}^{-1} Z_{1,bq}^6 Z_{1,bq}^8 Z_{1,-bq}^{-1}$
- Monomial 2286:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,-bq}^{-2} Z_{2,-bq}^{-1} Z_{1,bq}^9 Z_{1,bq}^{-1} Z_{1,-bq}^6 Z_{1,-bq}^8$
- Monomial 2287:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^{-1} Z_{2,-bq}^{-1} Z_{1,bq}^8 Z_{1,bq}^{-1} Z_{1,-bq}^6$
- Monomial 2288:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^{-1} Z_{2,-bq}^{-1} Z_{1,bq}^6 Z_{1,-bq}^8 Z_{1,-bq}^{-1}$
- Monomial 2289:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^{-1} Z_{2,-bq}^{-1} Z_{1,bq}^8 Z_{1,bq}^{-1}$
- Monomial 2290:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^5 Z_{2,-bq}^{-1} Z_{1,-bq}^8 Z_{1,-bq}^{-1}$
- Monomial 2291:  $Z_{3,aq}^{-1} Z_{4,aq}^{-1} Z_{4,aq}^{-1} Z_{2,bq}^5 Z_{2,bq}^7 Z_{2,-bq}^7 Z_{1,-bq}^{-1}$
- Monomial 2292:  $Z_{3,aq}^{-1} Z_{4,aq}^{-1} Z_{4,aq}^{-1} Z_{2,bq}^{-1} Z_{2,bq}^9 Z_{2,-bq}^7 Z_{1,bq}^6 Z_{1,bq}^8 Z_{1,-bq}^{-1}$
- Monomial 2293:  $Z_{3,aq}^{-1} Z_{4,aq}^{-1} Z_{4,aq}^{-1} Z_{2,bq}^7 Z_{2,-bq}^5 Z_{2,-bq}^7 Z_{1,bq}^{-1}$
- Monomial 2294:  $Z_{3,aq}^{-1} Z_{4,aq}^{-1} Z_{4,aq}^{-1} Z_{2,bq}^7 Z_{2,-bq}^{-1} Z_{2,-bq}^9 Z_{1,bq}^{-1} Z_{1,-bq}^6 Z_{1,-bq}^8$
- Monomial 2295:  $Z_{4,aq}^{-1} Z_{4,aq}^{-1} Z_{2,-bq}^{-1} Z_{2,-bq}^9 Z_{1,bq}^6 Z_{1,-bq}^6 Z_{1,-bq}^8$
- Monomial 2296:  $2Z_{3,aq}^2 Z_{3,aq}^{-1} Z_{2,-bq}^{-1} Z_{2,-bq}^9 Z_{1,bq}^6 Z_{1,-bq}^6 Z_{1,-bq}^8$
- Monomial 2297:  $Z_{4,aq}^{-1} Z_{4,aq}^{-1} Z_{2,bq}^7 Z_{2,bq}^9 Z_{1,bq}^6 Z_{1,bq}^8 Z_{1,-bq}^6$
- Monomial 2298:  $2Z_{3,aq}^2 Z_{3,aq}^{-1} Z_{2,bq}^{-1} Z_{2,bq}^9 Z_{1,bq}^6 Z_{1,bq}^8 Z_{1,-bq}^6$
- Monomial 2299:  $Z_{2,bq}^5 Z_{2,bq}^9 Z_{2,-bq}^7 Z_{2,-bq}^9 Z_{1,bq}^8 Z_{1,-bq}^6 Z_{1,-bq}^8$
- Monomial 2300:  $Z_{2,bq}^{-1} Z_{2,bq}^9 Z_{2,-bq}^5 Z_{2,-bq}^9 Z_{1,bq}^6 Z_{1,bq}^8 Z_{1,-bq}^8$
- Monomial 2301:  $Z_{2,-bq}^{-2} Z_{1,bq}^6 Z_{1,-bq}^4 Z_{1,-bq}^8$
- Monomial 2302:  $Z_{2,bq}^{-2} Z_{1,bq}^4 Z_{1,bq}^8 Z_{1,-bq}^6$
- Monomial 2303:  $Z_{4,aq}^{-1} Z_{4,aq}^{-1} Z_{2,bq}^5 Z_{2,bq}^9 Z_{1,bq}^8 Z_{1,-bq}^6$
- Monomial 2304:  $2Z_{3,aq}^2 Z_{3,aq}^{-1} Z_{4,aq}^{-1} Z_{4,aq}^{-1} Z_{1,bq}^6 Z_{1,-bq}^6$
- Monomial 2305:  $Z_{4,aq}^{-1} Z_{4,aq}^{-1} Z_{2,-bq}^5 Z_{2,-bq}^9 Z_{1,bq}^6 Z_{1,-bq}^8$
- Monomial 2306:  $Z_{4,aq}^{-1} Z_{4,aq}^{-1} Z_{1,bq}^4 Z_{1,-bq}^4$
- Monomial 2307:  $3Z_{3,aq}^2 Z_{3,aq}^{-1} Z_{2,bq}^7 Z_{1,bq}^8 Z_{1,-bq}^6$
- Monomial 2308:  $3Z_{3,aq}^2 Z_{3,aq}^{-1} Z_{2,-bq}^7 Z_{1,bq}^6 Z_{1,-bq}^8$
- Monomial 2309:  $Z_{3,aq}^{-1} Z_{2,bq}^7 Z_{2,-bq}^5 Z_{2,-bq}^7 Z_{1,bq}^8 Z_{1,-bq}^6 Z_{1,-bq}^8$
- Monomial 2310:  $Z_{3,aq}^{-1} Z_{2,bq}^5 Z_{2,bq}^7 Z_{2,-bq}^7 Z_{1,bq}^6 Z_{1,bq}^8 Z_{1,-bq}^8$
- Monomial 2311:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^{-1} Z_{2,bq}^9 Z_{2,-bq}^5 Z_{2,-bq}^7 Z_{1,-bq}^6 Z_{1,-bq}^8$
- Monomial 2312:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^5 Z_{2,bq}^7 Z_{2,-bq}^{-1} Z_{2,-bq}^9 Z_{1,bq}^6 Z_{1,bq}^8$
- Monomial 2313:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{1,bq}^4 Z_{1,bq}^8 Z_{1,bq}^{-1} Z_{1,-bq}^8$
- Monomial 2314:  $2Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^5 Z_{2,bq}^7 Z_{1,bq}^{10} Z_{1,-bq}^8$
- Monomial 2315:  $2Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^5 Z_{2,bq}^9 Z_{1,bq}^6 Z_{1,-bq}^8$
- Monomial 2316:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^{-2} Z_{1,bq}^6 Z_{1,bq}^{-1} Z_{1,-bq}^8$
- Monomial 2317:  $2Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^7 Z_{2,bq}^9 Z_{1,-bq}^8$
- Monomial 2318:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{1,bq}^8 Z_{1,-bq}^4 Z_{1,-bq}^8 Z_{1,-bq}^{10}$
- Monomial 2319:  $2Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,-bq}^5 Z_{2,-bq}^7 Z_{1,bq}^8 Z_{1,-bq}^{10}$
- Monomial 2320:  $2Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,-bq}^5 Z_{2,-bq}^9 Z_{1,bq}^8 Z_{1,-bq}^6$
- Monomial 2321:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,-bq}^7 Z_{1,bq}^8 Z_{1,-bq}^6 Z_{1,-bq}^{10}$
- Monomial 2322:  $2Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,-bq}^7 Z_{2,-bq}^9 Z_{1,bq}^8$
- Monomial 2323:  $2Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^7 Z_{2,-bq}^7 Z_{2,-bq}^9 Z_{1,bq}^6$
- Monomial 2324:  $2Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^7 Z_{2,bq}^9 Z_{2,-bq}^7 Z_{1,-bq}^6$
- Monomial 2325:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^5 Z_{2,bq}^9 Z_{2,-bq}^7 Z_{2,-bq}^9 Z_{1,bq}^6$
- Monomial 2326:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^7 Z_{2,bq}^9 Z_{2,-bq}^5 Z_{2,-bq}^9 Z_{1,-bq}^6$
- Monomial 2327:  $Z_{3,aq}^2 Z_{4,aq}^{-1} Z_{2,bq}^{-2} Z_{2,-bq}^7 Z_{1,bq}^6 Z_{1,bq}^{10} Z_{1,-bq}^6$

- Monomial 2328:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7}^{-2} Z_{1,bq^6} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2329:  $Z_{3,aq^{12}} Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4}$
- Monomial 2330:  $Z_{3,aq^{12}} Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^4}$
- Monomial 2331:  $Z_{3,aq^8} Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$
- Monomial 2332:  $Z_{3,aq^8} Z_{4,aq^{14}} Z_{2,bq^5}^{-1} Z_{2,bq^9}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2333:  $Z_{3,aq^8} Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}$
- Monomial 2334:  $Z_{3,aq^8} Z_{4,aq^{14}} Z_{2,-bq^5}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 2335:  $Z_{3,aq^{16}}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^4} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2336:  $2Z_{3,aq^{16}}^{-1} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2337:  $2Z_{3,aq^{16}}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1}$
- Monomial 2338:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{1,bq^4} Z_{1,bq^8} Z_{1,bq^{10}} Z_{1,-bq^6}$
- Monomial 2339:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2340:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 2341:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2342:  $2Z_{3,aq^{16}}^{-2} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2343:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2344:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 2345:  $2Z_{3,aq^{12}} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2346:  $3Z_{3,aq^{12}}^2 Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2347:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2348:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{1,-bq^6}$
- Monomial 2349:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2350:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^9}^{-1} Z_{1,bq^6}$
- Monomial 2351:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1}$
- Monomial 2352:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}$
- Monomial 2353:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2354:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^9}^{-1}$
- Monomial 2355:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^9}^{-1}$
- Monomial 2356:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}$
- Monomial 2357:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9} Z_{2,-bq^5} Z_{2,-bq^7}$
- Monomial 2358:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$
- Monomial 2359:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 2360:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 2361:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 2362:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 2363:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 2364:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2365:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2366:  $Z_{3,aq^{12}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^8} Z_{1,-bq^{10}}^{-1}$
- Monomial 2367:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,-bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 2368:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4}$
- Monomial 2369:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,-bq^8}^{-1}$
- Monomial 2370:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7}^2 Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1}$
- Monomial 2371:  $Z_{3,aq^{12}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$

- Monomial 2372:  $Z_{3,aq}^{-1} Z_{4,aq}^{10} Z_{4,aq}^{-18} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq}^{-10}$   
 Monomial 2373:  $Z_{3,aq}^{-12} Z_{4,aq}^{10} Z_{4,aq}^{-22} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$   
 Monomial 2374:  $Z_{3,aq}^{-20} Z_{4,aq}^{-14} Z_{4,aq}^{18} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$   
 Monomial 2375:  $Z_{3,aq}^{-20} Z_{4,aq}^{10} Z_{4,aq}^{18} Z_{2,bq^7}^{-1} Z_{1,-bq^4}$   
 Monomial 2376:  $Z_{3,aq}^{-12} Z_{4,aq}^{10} Z_{4,aq}^{-22} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$   
 Monomial 2377:  $Z_{3,aq}^{-20} Z_{4,aq}^{-14} Z_{4,aq}^{18} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$   
 Monomial 2378:  $Z_{3,aq}^{-20} Z_{4,aq}^{10} Z_{4,aq}^{18} Z_{2,-bq^7}^{-1} Z_{1,bq^4}$   
 Monomial 2379:  $Z_{3,aq}^{16} Z_{4,aq}^{-14} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 2380:  $Z_{3,aq}^{16} Z_{4,aq}^{18} Z_{2,bq^3} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,-bq}^{-10}$   
 Monomial 2381:  $Z_{3,aq}^8 Z_{4,aq}^{18} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq}^{-10}$   
 Monomial 2382:  $Z_{3,aq}^{16} Z_{4,aq}^{18} Z_{2,-bq^3} Z_{2,-bq^9}^{-1} Z_{1,bq}^{-10} Z_{1,-bq^4}^{-1}$   
 Monomial 2383:  $Z_{3,aq}^8 Z_{4,aq}^{18} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq}^{-10} Z_{1,-bq^8}^{-1}$   
 Monomial 2384:  $Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^4} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2385:  $Z_{3,aq}^{-16} Z_{2,bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^6} Z_{1,-bq}^{-10}$   
 Monomial 2386:  $Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^6} Z_{1,bq^8}$   
 Monomial 2387:  $Z_{3,aq}^{-16} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^6} Z_{1,bq}^{-10} Z_{1,-bq^8}^{-1}$   
 Monomial 2388:  $Z_{3,aq}^{-20} Z_{2,bq^3} Z_{1,bq^4}^{-1} Z_{1,-bq^8}$   
 Monomial 2389:  $Z_{3,aq}^{-20} Z_{2,-bq^3} Z_{1,bq^8} Z_{1,-bq^4}^{-1}$   
 Monomial 2390:  $Z_{3,aq}^8 Z_{4,aq}^{10} Z_{1,bq}^{-10} Z_{1,-bq}^{-10}$   
 Monomial 2391:  $Z_{3,aq}^8 Z_{4,aq}^{22} Z_{1,bq^6}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 2392:  $Z_{3,aq}^{-20} Z_{2,bq^9} Z_{1,bq}^{-10} Z_{1,-bq^2}$   
 Monomial 2393:  $Z_{3,aq}^{-20} Z_{2,-bq^9} Z_{1,bq^2} Z_{1,-bq}^{-10}$   
 Monomial 2394:  $Z_{3,aq}^{-3} Z_{4,aq}^{14} Z_{2,bq^7}^2 Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$   
 Monomial 2395:  $Z_{3,aq}^{-3} Z_{4,aq}^{14} Z_{2,bq^7} Z_{2,-bq^7}^2 Z_{1,bq^6}^{-1} Z_{1,-bq^8}$   
 Monomial 2396:  $Z_{3,aq}^{12} Z_{4,aq}^{14} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq}^{-10} Z_{1,-bq^8}^{-1}$   
 Monomial 2397:  $Z_{3,aq}^{12} Z_{4,aq}^{14} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq}^{-10}$   
 Monomial 2398:  $Z_{3,aq}^{-16} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq}^{-10}$   
 Monomial 2399:  $Z_{3,aq}^{-16} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq}^{-10} Z_{1,-bq^6}$   
 Monomial 2400:  $Z_{3,aq}^{12} Z_{4,aq}^{14} Z_{4,aq}^{-18} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$   
 Monomial 2401:  $Z_{3,aq}^{12} Z_{4,aq}^{10} Z_{2,bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq}^{-10} Z_{1,-bq^8}$   
 Monomial 2402:  $Z_{3,aq}^{12} Z_{4,aq}^{10} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq}^{-10}$   
 Monomial 2403:  $Z_{3,aq}^{-2} Z_{4,aq}^{18} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^6}$   
 Monomial 2404:  $Z_{3,aq}^{-2} Z_{4,aq}^{14} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6}$   
 Monomial 2405:  $Z_{3,aq}^{12} Z_{4,aq}^{14} Z_{2,bq^7}^{-1} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,bq}^{-10} Z_{1,-bq^6}$   
 Monomial 2406:  $Z_{3,aq}^{-2} Z_{4,aq}^{14} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2407:  $Z_{3,aq}^{12} Z_{4,aq}^{14} Z_{2,bq^7}^{-1} Z_{2,-bq^7} Z_{1,bq^6}^{-1} Z_{1,-bq^8} Z_{1,-bq}^{-10}$   
 Monomial 2408:  $Z_{3,aq}^{12} Z_{4,aq}^{14} Z_{4,aq}^{18} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6}$   
 Monomial 2409:  $Z_{3,aq}^{-16} Z_{4,aq}^{10} Z_{4,aq}^{14} Z_{1,bq^8}^{-1} Z_{1,bq}^{-10} Z_{1,-bq^6}$   
 Monomial 2410:  $Z_{3,aq}^{12} Z_{4,aq}^{14} Z_{4,aq}^{18} Z_{2,-bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2411:  $Z_{3,aq}^{-16} Z_{4,aq}^{10} Z_{4,aq}^{14} Z_{1,bq^6} Z_{1,-bq^8} Z_{1,-bq}^{-10}$   
 Monomial 2412:  $Z_{3,aq}^{12} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2413:  $Z_{3,aq}^{-16} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,bq}^{-10}$   
 Monomial 2414:  $Z_{3,aq}^{-16} Z_{2,bq^5} Z_{2,bq^7} Z_{1,-bq^8}^{-1} Z_{1,-bq}^{-10}$   
 Monomial 2415:  $Z_{4,aq}^{-14} Z_{4,aq}^{18} Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^9}^{-1}$



- Monomial 2416:  $Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8}$   
 Monomial 2417:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}$   
 Monomial 2418:  $Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2419:  $Z_{2,-bq^5} Z_{2,-bq^9}^{-2} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$   
 Monomial 2420:  $4Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6}$   
 Monomial 2421:  $Z_{2,bq^5} Z_{2,bq^9}^{-2} Z_{1,bq^6}^{-1} Z_{1,bq^8} Z_{1,-bq^6}$   
 Monomial 2422:  $4Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^9}^{-1} Z_{1,-bq^6}$   
 Monomial 2423:  $Z_{3,aq^{12}} Z_{3,aq^{16}} Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1}$   
 Monomial 2424:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$   
 Monomial 2425:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$   
 Monomial 2426:  $Z_{4,aq^{10}} Z_{4,aq^{18}} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2427:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2428:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^8} Z_{1,-bq^8}$   
 Monomial 2429:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^8}$   
 Monomial 2430:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^8}$   
 Monomial 2431:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{1,bq^8} Z_{1,-bq^6}$   
 Monomial 2432:  $Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2433:  $Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2434:  $Z_{2,bq^7} Z_{2,-bq^9}^{-2} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}$   
 Monomial 2435:  $Z_{2,bq^9}^{-2} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$   
 Monomial 2436:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$   
 Monomial 2437:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2438:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^4}$   
 Monomial 2439:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,-bq^5} Z_{1,bq^4} Z_{1,-bq^6}^{-1}$   
 Monomial 2440:  $3Z_{3,aq^{12}} Z_{3,aq^{16}}^{-2} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 2441:  $2Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1}$   
 Monomial 2442:  $2Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 2443:  $Z_{3,aq^{12}} Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1}$   
 Monomial 2444:  $Z_{3,aq^{12}} Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 2445:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$   
 Monomial 2446:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2447:  $Z_{3,aq^8} Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2448:  $Z_{3,aq^8} Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1}$   
 Monomial 2449:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}^{-1}$   
 Monomial 2450:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2451:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2452:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1}$   
 Monomial 2453:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 2454:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 2455:  $2Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^8}^{-1}$   
 Monomial 2456:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^5} Z_{2,bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8}^{-1}$   
 Monomial 2457:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 2458:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^9} Z_{2,-bq^7} Z_{1,-bq^8}^{-1}$   
 Monomial 2459:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$

- Monomial 2460:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{14}}Z_{2,bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^8}^{-1}$   
Monomial 2461:  $Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
Monomial 2462:  $2Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}$   
Monomial 2463:  $2Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^6}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
Monomial 2464:  $Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}$   
Monomial 2465:  $2Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{1,-bq^6}$   
Monomial 2466:  $2Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{2,bq^7}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}$   
Monomial 2467:  $Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^8}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
Monomial 2468:  $2Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^8}$   
Monomial 2469:  $Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}$   
Monomial 2470:  $2Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,-bq^8}$   
Monomial 2471:  $Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,-bq^4}Z_{1,-bq^{10}}^{-1}$   
Monomial 2472:  $Z_{2,bq^9}^{-1}Z_{1,bq^4}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}$   
Monomial 2473:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{18}}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^6}^{-1}$   
Monomial 2474:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{18}}Z_{2,bq^7}^{-1}Z_{2,-bq^5}Z_{1,-bq^6}^{-1}$   
Monomial 2475:  $Z_{3,aq^{12}}Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}Z_{2,-bq^7}^{-1}Z_{1,bq^4}$   
Monomial 2476:  $2Z_{2,bq^7}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^4}$   
Monomial 2477:  $Z_{3,aq^{12}}Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}Z_{2,bq^7}^{-1}Z_{1,-bq^4}$   
Monomial 2478:  $2Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{2,-bq^9}^{-1}Z_{1,-bq^4}$   
Monomial 2479:  $Z_{3,aq^8}Z_{3,aq^{20}}^{-1}Z_{2,bq^5}^{-1}Z_{1,-bq^8}$   
Monomial 2480:  $Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,-bq^8}$   
Monomial 2481:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{14}}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{1,-bq^{10}}^{-1}$   
Monomial 2482:  $Z_{3,aq^8}Z_{3,aq^{20}}^{-1}Z_{2,-bq^5}^{-1}Z_{1,bq^8}$   
Monomial 2483:  $Z_{3,aq^{12}}^{-1}Z_{3,aq^{16}}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^8}$   
Monomial 2484:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{14}}Z_{2,bq^5}Z_{2,-bq^9}^{-1}Z_{1,bq^{10}}^{-1}$   
Monomial 2485:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^5}Z_{2,-bq^7}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}$   
Monomial 2486:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,-bq^7}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^8}$   
Monomial 2487:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,-bq^5}Z_{1,bq^8}^{-1}Z_{1,-bq^{10}}^{-1}$   
Monomial 2488:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{22}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,-bq^6}$   
Monomial 2489:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}Z_{4,aq^{18}}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^6}^{-1}Z_{1,-bq^6}$   
Monomial 2490:  $Z_{3,aq^{12}}^{-1}Z_{2,bq^5}Z_{2,-bq^5}Z_{1,bq^{10}}^{-1}Z_{1,-bq^{10}}$   
Monomial 2491:  $Z_{4,aq^{10}}Z_{4,aq^{22}}^{-1}Z_{2,bq^7}^{-1}Z_{1,-bq^4}$   
Monomial 2492:  $Z_{4,aq^{10}}Z_{4,aq^{22}}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^4}$   
Monomial 2493:  $Z_{3,aq^{20}}^{-1}Z_{2,bq^3}Z_{2,-bq^9}Z_{1,bq^4}^{-1}Z_{1,-bq^{10}}^{-1}$   
Monomial 2494:  $Z_{3,aq^{20}}^{-1}Z_{2,bq^9}Z_{2,-bq^3}Z_{1,bq^{10}}^{-1}Z_{1,-bq^4}$   
Monomial 2495:  $Z_{2,bq^9}^{-1}Z_{1,-bq^4}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
Monomial 2496:  $Z_{2,-bq^9}^{-1}Z_{1,bq^4}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}$   
Monomial 2497:  $Z_{2,bq^{11}}^{-1}Z_{1,-bq^2}$   
Monomial 2498:  $Z_{2,-bq^{11}}^{-1}Z_{1,bq^2}$   
Monomial 2499:  $Z_{3,aq^{12}}Z_{2,-bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,-bq^8}$   
Monomial 2500:  $Z_{3,aq^{12}}Z_{2,bq^7}^{-1}Z_{2,bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^6}$   
Monomial 2501:  $Z_{3,aq^{16}}^{-3}Z_{4,aq^{14}}Z_{2,bq^7}^2Z_{2,-bq^7}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^8}$   
Monomial 2502:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^7}Z_{2,-bq^5}Z_{2,-bq^7}Z_{1,bq^8}^{-1}Z_{1,-bq^6}^{-1}Z_{1,-bq^8}^{-1}Z_{1,-bq^{10}}^{-1}$   
Monomial 2503:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^5}Z_{2,bq^7}Z_{2,-bq^7}Z_{1,bq^6}^{-1}Z_{1,bq^8}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}$

- Monomial 2504:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^2 Z_{1,bq^6} Z_{1,-bq^8}^{-1}$
- Monomial 2505:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^2 Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,-bq^6}$
- Monomial 2506:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^2 Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 2507:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2508:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7}^2 Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2509:  $Z_{3,aq^{12}}^2 Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2510:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 2511:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2512:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2513:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2514:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{1,bq^6} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2515:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{1,bq^6} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2516:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2517:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2518:  $Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2519:  $Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2520:  $Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2521:  $Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2522:  $Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$
- Monomial 2523:  $4Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 2524:  $Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2525:  $4Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2526:  $Z_{3,aq^{12}}^2 Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1}$
- Monomial 2527:  $2Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6}$
- Monomial 2528:  $2Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^6}$
- Monomial 2529:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2530:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7} Z_{1,bq^6} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2531:  $Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^7} Z_{1,bq^4}$
- Monomial 2532:  $Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,-bq^7} Z_{1,-bq^4}$
- Monomial 2533:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{1,-bq^8}$
- Monomial 2534:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{1,bq^8}$
- Monomial 2535:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2536:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2537:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2538:  $Z_{4,aq^{14}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^5} Z_{2,-bq^5} Z_{1,bq^6}^{-1} Z_{1,-bq^6}$
- Monomial 2539:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2540:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^9} Z_{1,-bq^6}$
- Monomial 2541:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2542:  $2Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^9} Z_{1,bq^6}$
- Monomial 2543:  $Z_{3,aq^{12}} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2544:  $2Z_{3,aq^{12}} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2545:  $Z_{3,aq^{12}} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2546:  $2Z_{3,aq^{12}} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8}$
- Monomial 2547:  $Z_{3,aq^{16}} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8}$

- Monomial 2548:  $Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}$
- Monomial 2549:  $Z_{3,aq^{16}} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2550:  $Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$
- Monomial 2551:  $Z_{3,aq^{16}} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-2} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 2552:  $Z_{3,aq^{16}} Z_{2,bq^9}^{-2} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8}$
- Monomial 2553:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^7}^{-1} Z_{1,-bq^4}$
- Monomial 2554:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^4}$
- Monomial 2555:  $Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,-bq^4} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2556:  $2 Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,-bq^{10}}^{-1}$
- Monomial 2557:  $2 Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{2,-bq^9}^{-1} Z_{1,-bq^6}^{-1}$
- Monomial 2558:  $Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 2559:  $2 Z_{2,bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 2560:  $2 Z_{2,bq^5} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 2561:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 2562:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2563:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2564:  $Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^{10}}^{-1}$
- Monomial 2565:  $2 Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1}$
- Monomial 2566:  $Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2567:  $Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^{-1}$
- Monomial 2568:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2569:  $2 Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,-bq^8}^{-1}$
- Monomial 2570:  $2 Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2571:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2572:  $2 Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1}$
- Monomial 2573:  $2 Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2574:  $Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2575:  $Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2576:  $Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 2577:  $Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^4} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2578:  $Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 2579:  $Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}} Z_{2,bq^7}^{-1} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$
- Monomial 2580:  $Z_{3,aq^8} Z_{3,aq^{20}}^{-1} Z_{2,bq^5} Z_{2,-bq^9} Z_{1,-bq^{10}}^{-1}$
- Monomial 2581:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{1,-bq^{10}}^{-1}$
- Monomial 2582:  $Z_{3,aq^8} Z_{3,aq^{20}}^{-1} Z_{2,bq^9} Z_{2,-bq^5} Z_{1,bq^{10}}^{-1}$
- Monomial 2583:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{16}} Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 2584:  $Z_{4,aq^{10}} Z_{4,aq^{22}}^{-1} Z_{2,bq^5} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1}$
- Monomial 2585:  $Z_{4,aq^{10}} Z_{4,aq^{22}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$
- Monomial 2586:  $Z_{2,bq^3} Z_{2,-bq^{11}} Z_{1,bq^4}^{-1}$
- Monomial 2587:  $Z_{2,bq^{11}}^{-1} Z_{2,-bq^3} Z_{1,-bq^4}^{-1}$
- Monomial 2588:  $Z_{3,aq^{12}} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-2} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2589:  $Z_{3,aq^{12}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-2} Z_{2,-bq^7} Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 2590:  $Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2591:  $Z_{2,bq^5} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$

- Monomial 2592:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^9}^{-2} Z_{2,-bq^7} Z_{1,bq^8} Z_{1,-bq^6}$   
 Monomial 2593:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^9}^{-2} Z_{1,bq^6} Z_{1,-bq^8}$   
 Monomial 2594:  $Z_{3,aq^{12}} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2595:  $Z_{3,aq^{12}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$   
 Monomial 2596:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^2 Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1}$   
 Monomial 2597:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$   
 Monomial 2598:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2599:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$   
 Monomial 2600:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{1,bq^6} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2601:  $Z_{3,aq^{12}} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2602:  $Z_{3,aq^{12}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2603:  $Z_{3,aq^{12}} Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8}$   
 Monomial 2604:  $Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$   
 Monomial 2605:  $Z_{3,aq^{12}} Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2606:  $Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2607:  $Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{10}} Z_{4,aq^{14}} Z_{4,aq^{18}}$   
 Monomial 2608:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$   
 Monomial 2609:  $2 Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$   
 Monomial 2610:  $Z_{4,aq^{10}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2611:  $2 Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{2,bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2612:  $Z_{2,bq^5} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2613:  $Z_{2,-bq^5} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2614:  $Z_{2,bq^7} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2615:  $Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$   
 Monomial 2616:  $2 Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7}^2 Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1}$   
 Monomial 2617:  $2 Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^2 Z_{1,-bq^8}^{-1}$   
 Monomial 2618:  $Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^5} Z_{2,bq^7} Z_{1,bq^6}^{-1}$   
 Monomial 2619:  $Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,-bq^5} Z_{2,-bq^7} Z_{1,-bq^6}^{-1}$   
 Monomial 2620:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,-bq^7}^2 Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$   
 Monomial 2621:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{2,bq^7}^2 Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2622:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^5} Z_{2,-bq^9} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2623:  $Z_{3,aq^{12}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{10}} Z_{2,bq^5} Z_{2,bq^9} Z_{1,bq^{10}}^{-1}$   
 Monomial 2624:  $Z_{3,aq^{16}} Z_{2,bq^9}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-2} Z_{1,-bq^6}^{-1} Z_{1,-bq^8}$   
 Monomial 2625:  $5 Z_{3,aq^{12}} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1}$   
 Monomial 2626:  $Z_{3,aq^{16}} Z_{2,bq^5} Z_{2,bq^9}^{-2} Z_{2,-bq^9}^{-1} Z_{1,bq^6}^{-1} Z_{1,bq^8}$   
 Monomial 2627:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$   
 Monomial 2628:  $2 Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,-bq^8}$   
 Monomial 2629:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2630:  $2 Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^9} Z_{1,bq^8}^{-1}$   
 Monomial 2631:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^5} Z_{2,-bq^7} Z_{1,bq^6}^{-1}$   
 Monomial 2632:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^7} Z_{2,-bq^5} Z_{1,-bq^6}^{-1}$   
 Monomial 2633:  $Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^9} Z_{2,-bq^5} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2634:  $Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^5} Z_{2,-bq^9} Z_{1,bq^{10}}^{-1}$   
 Monomial 2635:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^2 Z_{1,bq^6} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$

- Monomial 2636:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,-bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^6}$
- Monomial 2637:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,-bq^6}$
- Monomial 2638:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}^2Z_{2,-bq^9}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}$
- Monomial 2639:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^8}$
- Monomial 2640:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^7}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}$
- Monomial 2641:  $Z_{3,aq^{12}}^2Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}$
- Monomial 2642:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,-bq^7}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}$
- Monomial 2643:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}$
- Monomial 2644:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{1,bq^6}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$
- Monomial 2645:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^8}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$
- Monomial 2646:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{22}}Z_{2,bq^7}Z_{1,bq^4}$
- Monomial 2647:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{18}}Z_{2,bq^9}^{-1}Z_{1,bq^4}Z_{1,bq^8}$
- Monomial 2648:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{22}}Z_{2,-bq^7}Z_{1,-bq^4}$
- Monomial 2649:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{18}}Z_{2,-bq^9}^{-1}Z_{1,-bq^4}Z_{1,-bq^8}$
- Monomial 2650:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}Z_{2,-bq^5}Z_{1,-bq^8}$
- Monomial 2651:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{10}}Z_{2,-bq^7}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}$
- Monomial 2652:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}Z_{2,bq^5}Z_{1,bq^8}$
- Monomial 2653:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{10}}Z_{2,bq^7}^{-1}Z_{1,bq^6}Z_{1,bq^8}$
- Monomial 2654:  $Z_{3,aq^{12}}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$
- Monomial 2655:  $2Z_{3,aq^{12}}Z_{2,bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}$
- Monomial 2656:  $2Z_{3,aq^{12}}Z_{2,bq^9}^{-1}Z_{2,-bq^7}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$
- Monomial 2657:  $Z_{3,aq^{16}}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}$
- Monomial 2658:  $2Z_{3,aq^{16}}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}$
- Monomial 2659:  $Z_{3,aq^{16}}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^7}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$
- Monomial 2660:  $Z_{3,aq^{16}}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,-bq^4}Z_{1,-bq^{10}}^{-1}$
- Monomial 2661:  $Z_{3,aq^{16}}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^4}Z_{1,bq^{10}}^{-1}$
- Monomial 2662:  $Z_{4,aq^{18}}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^8}Z_{1,-bq^6}Z_{1,-bq^8}$
- Monomial 2663:  $Z_{3,aq^{12}}Z_{4,aq^{10}}Z_{4,aq^{22}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}$
- Monomial 2664:  $Z_{3,aq^8}Z_{2,bq^5}^{-1}Z_{2,-bq^{11}}^{-1}$
- Monomial 2665:  $Z_{3,aq^8}Z_{2,bq^{11}}^{-1}Z_{2,-bq^5}^{-1}$
- Monomial 2666:  $Z_{3,aq^{12}}Z_{3,aq^{16}}Z_{2,bq^9}^{-1}Z_{2,-bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,-bq^8}$
- Monomial 2667:  $Z_{3,aq^{12}}Z_{3,aq^{16}}Z_{2,bq^7}^{-1}Z_{2,bq^9}^{-2}Z_{2,-bq^9}^{-1}Z_{1,bq^8}$
- Monomial 2668:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^9}^{-2}Z_{2,-bq^7}^2Z_{1,bq^8}Z_{1,-bq^8}$
- Monomial 2669:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^7}^2Z_{2,-bq^9}^{-2}Z_{1,bq^8}^{-1}Z_{1,-bq^8}$
- Monomial 2670:  $Z_{3,aq^{12}}Z_{2,bq^7}Z_{2,-bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^{10}}^{-1}$
- Monomial 2671:  $Z_{3,aq^{12}}Z_{2,bq^7}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}$
- Monomial 2672:  $Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,-bq^9}^{-2}Z_{1,bq^6}Z_{1,-bq^8}$
- Monomial 2673:  $Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-2}Z_{2,-bq^7}Z_{1,bq^8}Z_{1,-bq^6}$
- Monomial 2674:  $Z_{4,aq^{14}}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-2}Z_{1,bq^6}Z_{1,bq^8}Z_{1,-bq^8}$
- Monomial 2675:  $Z_{3,aq^{16}}^{-2}Z_{4,aq^{14}}Z_{2,bq^7}Z_{2,-bq^7}^{-1}Z_{1,bq^8}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}$
- Monomial 2676:  $Z_{4,aq^{14}}Z_{2,bq^9}^{-2}Z_{2,-bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^6}Z_{1,-bq^8}$
- Monomial 2677:  $Z_{3,aq^{16}}^{-2}Z_{4,aq^{14}}Z_{2,bq^7}^2Z_{2,-bq^7}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^8}Z_{1,-bq^{10}}^{-1}$
- Monomial 2678:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,-bq^7}Z_{1,bq^8}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}$
- Monomial 2679:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{1,bq^8}^{-1}Z_{1,-bq^8}Z_{1,-bq^{10}}^{-1}$

- Monomial 2680:  $2Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{3,aq^{20}}^{-1}Z_{4,aq^{18}}$   
 Monomial 2681:  $4Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^7}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{2,-bq^9}^{-1}$   
 Monomial 2682:  $Z_{3,aq^{12}}Z_{2,bq^7}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2683:  $2Z_{3,aq^{12}}Z_{2,bq^9}^{-1}Z_{1,-bq^8}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2684:  $Z_{3,aq^{12}}Z_{2,-bq^7}^{-1}Z_{1,bq^8}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2685:  $2Z_{3,aq^{12}}Z_{2,-bq^9}^{-1}Z_{1,bq^8}^{-1}Z_{1,bq^{10}}^{-1}$   
 Monomial 2686:  $Z_{3,aq^{16}}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^8}^{-1}Z_{1,bq^{10}}^{-1}$   
 Monomial 2687:  $Z_{3,aq^{16}}Z_{4,aq^{10}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{1,-bq^8}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2688:  $Z_{3,aq^{16}}Z_{2,bq^9}^{-1}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2689:  $Z_{3,aq^{16}}Z_{2,bq^5}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^{10}}^{-1}$   
 Monomial 2690:  $Z_{3,aq^{16}}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,-bq^7}Z_{1,bq^8}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}$   
 Monomial 2691:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,-bq^7}Z_{1,bq^6}Z_{1,-bq^8}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2692:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^8}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}$   
 Monomial 2693:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,bq^6}Z_{1,bq^8}^{-1}Z_{1,-bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2694:  $Z_{3,aq^{12}}Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}$   
 Monomial 2695:  $2Z_{3,aq^{12}}Z_{3,aq^{16}}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}$   
 Monomial 2696:  $Z_{3,aq^{12}}Z_{3,aq^{16}}Z_{4,aq^{14}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^7}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2697:  $Z_{3,aq^{12}}^2Z_{4,aq^{14}}^{-1}Z_{4,aq^{22}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^7}^{-1}$   
 Monomial 2698:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}$   
 Monomial 2699:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2700:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,-bq^8}^{-1}$   
 Monomial 2701:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}Z_{2,bq^7}^2Z_{2,-bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^8}^{-1}$   
 Monomial 2702:  $Z_{3,aq^{12}}Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,bq^7}^{-1}Z_{1,bq^6}Z_{1,bq^8}$   
 Monomial 2703:  $2Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^8}$   
 Monomial 2704:  $Z_{3,aq^{12}}Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}^{-1}Z_{2,-bq^7}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}$   
 Monomial 2705:  $2Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}$   
 Monomial 2706:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{10}}Z_{4,aq^{14}}Z_{4,aq^{22}}^{-1}$   
 Monomial 2707:  $2Z_{3,aq^{20}}^{-1}Z_{4,aq^{10}}$   
 Monomial 2708:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{22}}^{-1}Z_{2,bq^5}Z_{2,bq^7}Z_{1,bq^6}^{-1}$   
 Monomial 2709:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{18}}Z_{2,bq^8}Z_{2,bq^9}^{-1}Z_{1,bq^6}^{-1}Z_{1,bq^8}$   
 Monomial 2710:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{22}}^{-1}Z_{2,-bq^5}Z_{2,-bq^7}Z_{1,-bq^6}^{-1}$   
 Monomial 2711:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{18}}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}$   
 Monomial 2712:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}Z_{2,-bq^7}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}$   
 Monomial 2713:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,-bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}$   
 Monomial 2714:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}Z_{2,bq^7}Z_{1,bq^8}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2715:  $2Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{2,bq^7}Z_{2,bq^9}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2716:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}Z_{2,-bq^5}Z_{2,-bq^9}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2717:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,-bq^5}Z_{2,-bq^{11}}^{-1}$   
 Monomial 2718:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{10}}Z_{2,-bq^7}Z_{2,-bq^9}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2719:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}Z_{2,bq^8}Z_{2,bq^9}^{-1}Z_{1,bq^{10}}^{-1}$   
 Monomial 2720:  $Z_{3,aq^{12}}^{-1}Z_{4,aq^{10}}Z_{2,bq^5}Z_{2,bq^{11}}^{-1}$   
 Monomial 2721:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{10}}Z_{2,bq^7}Z_{2,bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}$   
 Monomial 2722:  $Z_{4,aq^{18}}^{-1}Z_{2,-bq^9}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}$   
 Monomial 2723:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$

- Monomial 2724:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2725:  $Z_{4,aq^{22}}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^4} Z_{1,bq^8}$
- Monomial 2726:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{1,bq^4} Z_{1,bq^{10}}^{-1}$
- Monomial 2727:  $Z_{4,aq^{22}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^4} Z_{1,-bq^8}$
- Monomial 2728:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$
- Monomial 2729:  $Z_{3,aq^{16}}^{-2} Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}} Z_{4,aq^{18}} Z_{2,bq^7} Z_{2,-bq^7}$
- Monomial 2730:  $Z_{3,aq^{12}} Z_{3,aq^{16}} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2731:  $Z_{3,aq^{12}} Z_{3,aq^{16}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 2732:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-2} Z_{2,-bq^7}^2 Z_{1,bq^8} Z_{1,-bq^8}^{-1}$
- Monomial 2733:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^2 Z_{2,-bq^9}^{-2} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2734:  $Z_{3,aq^{12}} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2735:  $Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^8}$
- Monomial 2736:  $Z_{3,aq^{12}} Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 2737:  $Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{2,bq^7} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2738:  $Z_{3,aq^{12}} Z_{3,aq^{16}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2739:  $Z_{4,aq^{10}} Z_{4,aq^{18}} Z_{4,aq^{22}}^{-1}$
- Monomial 2740:  $2Z_{3,aq^{12}} Z_{3,aq^{16}}^{-1} Z_{4,aq^{22}}^{-1}$
- Monomial 2741:  $2Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}}^{-1}$
- Monomial 2742:  $2Z_{4,aq^{14}} Z_{2,bq^9}^{-2} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}$
- Monomial 2743:  $2Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-2} Z_{1,-bq^8}$
- Monomial 2744:  $Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^8}$
- Monomial 2745:  $Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$
- Monomial 2746:  $Z_{4,aq^{14}} Z_{2,-bq^9}^{-2} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2747:  $Z_{4,aq^{14}} Z_{2,bq^9}^{-2} Z_{1,bq^8} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2748:  $Z_{4,aq^{10}} Z_{2,-bq^7}^{-1} Z_{2,-bq^{11}}^{-1} Z_{1,-bq^6}$
- Monomial 2749:  $Z_{4,aq^{10}} Z_{2,bq^7}^{-1} Z_{2,bq^{11}}^{-1} Z_{1,bq^6}$
- Monomial 2750:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-2} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^8}$
- Monomial 2751:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}^2 Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2752:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-2} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2753:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7}^2 Z_{2,-bq^7}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2754:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^7}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 2755:  $2Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2756:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2757:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^7} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2758:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^8} Z_{1,bq^6}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 2759:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,-bq^5} Z_{1,-bq^6}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2760:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{10}} Z_{2,-bq^9} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2761:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{10}} Z_{2,bq^9} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$
- Monomial 2762:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$
- Monomial 2763:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^9} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2764:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^7}^2 Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2765:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^7}^2 Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2766:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2767:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$



- Monomial 2768:  $Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2769:  $Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2770:  $4Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{2,-bq^9}^{-1}$   
 Monomial 2771:  $Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9} Z_{1,bq^6} Z_{1,bq^{10}}^{-1}$   
 Monomial 2772:  $2Z_{4,aq^{18}}^{-1} Z_{2,-bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^{10}}^{-1}$   
 Monomial 2773:  $Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7}^{-1} Z_{2,-bq^9} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2774:  $2Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2775:  $Z_{4,aq^{22}}^{-1} Z_{2,bq^5} Z_{2,bq^9}^{-1} Z_{1,bq^6} Z_{1,bq^8}$   
 Monomial 2776:  $Z_{4,aq^{22}}^{-1} Z_{2,-bq^5} Z_{2,-bq^9}^{-1} Z_{1,-bq^6} Z_{1,-bq^8}$   
 Monomial 2777:  $Z_{4,aq^{14}}^{-1} Z_{2,-bq^5} Z_{2,-bq^{11}}^{-1}$   
 Monomial 2778:  $Z_{4,aq^{14}}^{-1} Z_{2,bq^5} Z_{2,bq^{11}}^{-1}$   
 Monomial 2779:  $Z_{4,aq^{18}}^{-1} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2780:  $Z_{4,aq^{22}}^{-1} Z_{1,bq^4} Z_{1,bq^{10}}^{-1}$   
 Monomial 2781:  $Z_{4,aq^{22}}^{-1} Z_{1,-bq^4} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2782:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{4,aq^{18}}^{-1} Z_{4,aq^{22}}^{-1}$   
 Monomial 2783:  $Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}} Z_{4,aq^{18}} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$   
 Monomial 2784:  $Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}} Z_{4,aq^{18}} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^8}$   
 Monomial 2785:  $Z_{3,aq^{16}} Z_{4,aq^{14}} Z_{2,bq^9}^{-2} Z_{2,-bq^9}^{-2} Z_{1,bq^8} Z_{1,-bq^8}$   
 Monomial 2786:  $Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^9}^{-2} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$   
 Monomial 2787:  $Z_{4,aq^{14}} Z_{2,bq^9}^{-2} Z_{2,-bq^7} Z_{1,bq^8} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2788:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,-bq^7} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2789:  $Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{2,bq^9} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1}$   
 Monomial 2790:  $2Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}$   
 Monomial 2791:  $Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{2,bq^7} Z_{2,-bq^9} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2792:  $Z_{3,aq^{16}}^{-2} Z_{4,aq^{14}} Z_{4,aq^{22}}^{-1} Z_{2,bq^7} Z_{2,-bq^7}$   
 Monomial 2793:  $2Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-2} Z_{1,-bq^8}$   
 Monomial 2794:  $2Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-2} Z_{2,-bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^8}$   
 Monomial 2795:  $Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,bq^9} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$   
 Monomial 2796:  $2Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1}$   
 Monomial 2797:  $Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}}^{-1} Z_{2,-bq^9} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2798:  $2Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2799:  $Z_{3,aq^{12}} Z_{4,aq^{22}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^8}$   
 Monomial 2800:  $Z_{3,aq^{12}} Z_{4,aq^{22}}^{-1} Z_{2,-bq^7} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$   
 Monomial 2801:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,-bq^9}^{-2} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$   
 Monomial 2802:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-2} Z_{1,bq^8} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2803:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,-bq^7} Z_{2,-bq^{11}}^{-1} Z_{1,-bq^6}$   
 Monomial 2804:  $Z_{3,aq^{12}} Z_{4,aq^{14}}^{-1} Z_{2,bq^7}^{-1} Z_{2,bq^{11}}^{-1} Z_{1,bq^6}$   
 Monomial 2805:  $Z_{4,aq^{18}}^{-1} Z_{2,-bq^7} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2806:  $Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2807:  $Z_{4,aq^{22}}^{-1} Z_{2,bq^5} Z_{1,bq^6} Z_{1,bq^{10}}^{-1}$   
 Monomial 2808:  $Z_{4,aq^{22}}^{-1} Z_{2,-bq^5} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2809:  $Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,-bq^7} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2810:  $2Z_{4,aq^{14}} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2811:  $Z_{3,aq^{12}} Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{1,bq^{10}}^{-1}$

- Monomial 2812:  $2Z_{4,aq^{14}}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^{10}}^{-1}$   
 Monomial 2813:  $Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^7}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}^{-1}$   
 Monomial 2814:  $Z_{4,aq^{18}}^{-1}Z_{2,bq^7}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^8}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2815:  $Z_{3,aq^{20}}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^8}Z_{1,-bq^8}$   
 Monomial 2816:  $Z_{3,aq^{20}}^{-1}Z_{2,bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^6}Z_{1,-bq^8}$   
 Monomial 2817:  $Z_{4,aq^{14}}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2818:  $Z_{4,aq^{14}}Z_{2,bq^9}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2819:  $Z_{4,aq^{10}}Z_{2,-bq^{11}}^{-1}Z_{1,-bq^8}^{-1}$   
 Monomial 2820:  $Z_{4,aq^{10}}Z_{2,bq^{11}}^{-1}Z_{1,bq^8}^{-1}$   
 Monomial 2821:  $Z_{3,aq^{16}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2822:  $Z_{3,aq^{16}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}$   
 Monomial 2823:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{18}}^{-1}Z_{4,aq^{22}}^{-1}Z_{2,bq^7}Z_{2,-bq^7}$   
 Monomial 2824:  $Z_{3,aq^{16}}^{-1}Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}Z_{4,aq^{18}}Z_{2,bq^7}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2825:  $Z_{3,aq^{16}}^{-1}Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}Z_{4,aq^{18}}Z_{2,-bq^7}Z_{1,bq^{10}}^{-1}$   
 Monomial 2826:  $Z_{3,aq^{16}}^2Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-2}Z_{2,-bq^9}^{-2}Z_{1,bq^8}Z_{1,-bq^8}$   
 Monomial 2827:  $Z_{3,aq^{16}}^{-1}Z_{3,aq^{20}}^{-1}Z_{2,bq^7}Z_{2,bq^9}Z_{2,-bq^7}Z_{1,bq^8}Z_{1,bq^{10}}^{-1}$   
 Monomial 2828:  $Z_{3,aq^{16}}^{-1}Z_{3,aq^{20}}^{-1}Z_{2,bq^7}Z_{2,-bq^7}Z_{2,-bq^9}Z_{1,-bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2829:  $Z_{3,aq^{16}}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^8}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}$   
 Monomial 2830:  $Z_{3,aq^{16}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-2}Z_{2,-bq^7}Z_{1,bq^8}Z_{1,-bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2831:  $Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,-bq^7}Z_{1,bq^8}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2832:  $Z_{3,aq^{16}}Z_{4,aq^{14}}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}$   
 Monomial 2833:  $Z_{3,aq^{16}}Z_{4,aq^{14}}Z_{2,bq^9}^{-2}Z_{2,-bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2834:  $Z_{4,aq^{14}}Z_{2,bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^8}Z_{1,bq^{10}}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2835:  $Z_{4,aq^{14}}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2836:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{4,aq^{22}}^{-1}Z_{2,bq^7}Z_{2,-bq^9}^{-1}Z_{1,-bq^8}$   
 Monomial 2837:  $2Z_{3,aq^{20}}^{-1}Z_{2,bq^7}Z_{2,-bq^9}^{-1}Z_{1,-bq^8}$   
 Monomial 2838:  $Z_{3,aq^{20}}^{-1}Z_{4,aq^{14}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^8}Z_{1,-bq^8}$   
 Monomial 2839:  $Z_{3,aq^{16}}^{-1}Z_{4,aq^{14}}Z_{4,aq^{22}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,bq^8}$   
 Monomial 2840:  $2Z_{3,aq^{20}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^7}Z_{1,bq^8}$   
 Monomial 2841:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^{11}}^{-1}Z_{2,-bq^7}Z_{1,bq^6}$   
 Monomial 2842:  $Z_{3,aq^{20}}^{-1}Z_{2,bq^9}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^8}$   
 Monomial 2843:  $Z_{3,aq^{20}}^{-1}Z_{2,bq^9}^{-1}Z_{2,-bq^9}Z_{1,bq^8}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2844:  $Z_{3,aq^{16}}^{-1}Z_{2,bq^7}Z_{2,-bq^{11}}^{-1}Z_{1,-bq^6}$   
 Monomial 2845:  $2Z_{3,aq^{16}}Z_{4,aq^{18}}^{-1}Z_{2,bq^7}Z_{2,bq^9}^{-1}Z_{2,-bq^9}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2846:  $2Z_{3,aq^{16}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}Z_{2,-bq^7}Z_{2,-bq^9}^{-1}Z_{1,bq^{10}}^{-1}$   
 Monomial 2847:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{2,bq^{11}}^{-1}Z_{1,bq^8}$   
 Monomial 2848:  $Z_{3,aq^{12}}Z_{4,aq^{14}}^{-1}Z_{2,-bq^{11}}^{-1}Z_{1,-bq^8}$   
 Monomial 2849:  $Z_{3,aq^{12}}Z_{4,aq^{22}}^{-1}Z_{2,bq^7}^{-1}Z_{1,bq^{10}}^{-1}$   
 Monomial 2850:  $Z_{3,aq^{12}}Z_{4,aq^{22}}^{-1}Z_{2,-bq^7}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2851:  $Z_{3,aq^{16}}Z_{4,aq^{18}}^{-1}Z_{2,-bq^9}^{-1}Z_{1,bq^6}Z_{1,bq^{10}}^{-1}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2852:  $Z_{3,aq^{16}}Z_{4,aq^{18}}^{-1}Z_{2,bq^9}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2853:  $Z_{3,aq^{20}}^{-1}Z_{1,bq^6}Z_{1,bq^8}Z_{1,-bq^{10}}^{-1}$   
 Monomial 2854:  $Z_{3,aq^{20}}^{-1}Z_{1,bq^{10}}^{-1}Z_{1,-bq^6}Z_{1,-bq^8}$   
 Monomial 2855:  $Z_{4,aq^{18}}^{-1}Z_{4,aq^{22}}^{-1}Z_{2,bq^7}Z_{2,-bq^9}^{-1}Z_{1,-bq^8}$

- Monomial 2856:  $Z_{4,aq^{18}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^8}$
- Monomial 2857:  $Z_{3,aq^{16}}^2 Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-2} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2858:  $Z_{3,aq^{16}}^2 Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-2} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^{10}}^{-1}$
- Monomial 2859:  $Z_{3,aq^{20}}^{-1} Z_{2,bq^7} Z_{2,bq^9} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2860:  $Z_{3,aq^{20}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{2,-bq^9} Z_{1,bq^8} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2861:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2862:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2863:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{4,aq^{22}}^{-1} Z_{2,bq^7} Z_{1,-bq^{10}}^{-1}$
- Monomial 2864:  $2 Z_{3,aq^{20}}^{-1} Z_{2,bq^7} Z_{1,-bq^{10}}^{-1}$
- Monomial 2865:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}} Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^{10}}^{-1}$
- Monomial 2866:  $Z_{3,aq^{16}}^{-1} Z_{4,aq^{14}} Z_{4,aq^{22}}^{-1} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1}$
- Monomial 2867:  $2 Z_{3,aq^{20}}^{-1} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1}$
- Monomial 2868:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}} Z_{4,aq^{18}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2869:  $2 Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^8}$
- Monomial 2870:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,bq^{11}}^{-1} Z_{2,-bq^7} Z_{1,bq^8}^{-1}$
- Monomial 2871:  $Z_{3,aq^{16}}^{-1} Z_{2,bq^7} Z_{2,-bq^7} Z_{2,-bq^{11}}^{-1} Z_{1,-bq^8}^{-1}$
- Monomial 2872:  $Z_{3,aq^{16}} Z_{4,aq^{14}} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2873:  $Z_{4,aq^{14}} Z_{4,aq^{22}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^8}$
- Monomial 2874:  $Z_{-1,2,bq^{11}} Z_{2,-bq^9}^{-1} Z_{1,bq^6} Z_{1,-bq^8}$
- Monomial 2875:  $Z_{3,aq^{20}}^{-1} Z_{2,bq^9} Z_{1,bq^6} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2876:  $Z_{2,bq^9}^{-1} Z_{2,-bq^{11}}^{-1} Z_{1,bq^8} Z_{1,-bq^6}$
- Monomial 2877:  $Z_{3,aq^{20}}^{-1} Z_{2,-bq^9} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2878:  $Z_{4,aq^{18}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^7} Z_{1,-bq^{10}}^{-1}$
- Monomial 2879:  $Z_{4,aq^{18}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,-bq^7} Z_{1,bq^{10}}^{-1}$
- Monomial 2880:  $Z_{3,aq^{20}}^{-2} Z_{4,aq^{18}} Z_{1,bq^8} Z_{1,-bq^8}$
- Monomial 2881:  $Z_{2,bq^9}^{-1} Z_{2,bq^{11}}^{-1} Z_{2,-bq^7}$
- Monomial 2882:  $Z_{2,bq^7} Z_{2,-bq^9}^{-1} Z_{2,-bq^{11}}^{-1}$
- Monomial 2883:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^8}$
- Monomial 2884:  $Z_{3,aq^{20}}^{-1} Z_{2,bq^7} Z_{2,bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2885:  $Z_{3,aq^{20}}^{-1} Z_{2,-bq^7} Z_{2,-bq^9} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2886:  $2 Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2887:  $Z_{3,aq^{16}}^2 Z_{4,aq^{18}}^{-1} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2888:  $2 Z_{3,aq^{16}}^{-1} Z_{3,aq^{20}}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2889:  $Z_{2,bq^7} Z_{2,bq^{11}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2890:  $Z_{2,bq^9}^{-1} Z_{2,-bq^7} Z_{2,-bq^{11}}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^8}$
- Monomial 2891:  $Z_{4,aq^{14}} Z_{4,aq^{22}}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^{10}}^{-1}$
- Monomial 2892:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{14}} Z_{4,aq^{18}}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$
- Monomial 2893:  $Z_{4,aq^{14}} Z_{4,aq^{22}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2894:  $Z_{2,bq^{11}}^{-1} Z_{1,bq^6} Z_{1,-bq^{10}}^{-1}$
- Monomial 2895:  $Z_{2,-bq^{11}}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^6}$
- Monomial 2896:  $Z_{3,aq^{20}}^{-2} Z_{4,aq^{18}} Z_{2,bq^9} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$
- Monomial 2897:  $Z_{3,aq^{20}}^{-2} Z_{4,aq^{18}} Z_{2,-bq^9} Z_{1,bq^8} Z_{1,-bq^{10}}^{-1}$
- Monomial 2898:  $Z_{3,aq^{16}} Z_{2,bq^9}^{-1} Z_{2,bq^{11}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,-bq^8}$
- Monomial 2899:  $Z_{3,aq^{16}} Z_{2,bq^9}^{-1} Z_{2,-bq^9}^{-1} Z_{2,-bq^{11}}^{-1} Z_{1,bq^8}$

- Monomial 2900:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^9}^{-1} Z_{1,bq^8} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2901:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,-bq^9}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$   
 Monomial 2902:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{22}}^{-1} Z_{1,bq^8} Z_{1,-bq^8}$   
 Monomial 2903:  $Z_{2,bq^7} Z_{2,bq^{11}}^{-1} Z_{1,bq^8}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2904:  $2Z_{3,aq^{16}} Z_{3,aq^{20}}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2905:  $Z_{2,-bq^7} Z_{2,-bq^{11}}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$   
 Monomial 2906:  $Z_{4,aq^{14}} Z_{4,aq^{22}}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2907:  $Z_{3,aq^{16}} Z_{2,bq^9}^{-1} Z_{2,bq^{11}}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2908:  $Z_{3,aq^{16}} Z_{2,-bq^9}^{-1} Z_{2,-bq^{11}}^{-1} Z_{1,bq^{10}}^{-1}$   
 Monomial 2909:  $Z_{3,aq^{20}}^{-2} Z_{4,aq^{18}} Z_{2,bq^9} Z_{2,-bq^9} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2910:  $Z_{3,aq^{16}} Z_{4,aq^{18}}^{-1} Z_{4,aq^{22}}^{-1} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2911:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^9} Z_{1,bq^{10}}^{-1} Z_{1,-bq^8}$   
 Monomial 2912:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^{11}}^{-1} Z_{1,-bq^8}$   
 Monomial 2913:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,-bq^9} Z_{1,bq^8} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2914:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,-bq^{11}}^{-1} Z_{1,bq^8}$   
 Monomial 2915:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^{11}}^{-1} Z_{2,-bq^9} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2916:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{18}} Z_{2,bq^9} Z_{2,-bq^{11}}^{-1} Z_{1,bq^{10}}^{-1}$   
 Monomial 2917:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^9} Z_{2,-bq^9} Z_{1,bq^{10}}^{-1} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2918:  $Z_{4,aq^{22}}^{-1} Z_{2,bq^{11}}^{-1} Z_{1,-bq^8}$   
 Monomial 2919:  $Z_{4,aq^{22}}^{-1} Z_{2,-bq^{11}}^{-1} Z_{1,bq^8}$   
 Monomial 2920:  $Z_{4,aq^{22}}^{-1} Z_{2,bq^{11}}^{-1} Z_{2,-bq^9} Z_{1,-bq^{10}}^{-1}$   
 Monomial 2921:  $Z_{4,aq^{18}} Z_{2,bq^{11}}^{-1} Z_{2,-bq^{11}}^{-1}$   
 Monomial 2922:  $Z_{4,aq^{22}}^{-1} Z_{2,bq^9} Z_{2,-bq^{11}}^{-1} Z_{1,bq^{10}}^{-1}$   
 Monomial 2923:  $Z_{3,aq^{20}}^{-1} Z_{4,aq^{22}}^{-1} Z_{2,bq^{11}}^{-1} Z_{2,-bq^{11}}^{-1}$   
 Monomial 2924:  $Z_{3,aq^{24}}^{-1}$

Fundamental representation 4 (78 monomials and 79 dimensional; one monomial  $Z_{3,aq^{10}} Z_{3,aq^{14}}^{-1}$  with multiplicity 2). Here  $b^2 = a$  :

- Monomial 0:  $Z_{4,a}$   
 Monomial 1:  $Z_{3,aq^2} Z_{4,aq^4}^{-1}$   
 Monomial 2:  $Z_{3,aq^6}^{-1} Z_{2,bq^2} Z_{2,-bq^2}$   
 Monomial 3:  $Z_{2,bq^4}^{-1} Z_{2,-bq^2} Z_{1,bq^3}$   
 Monomial 4:  $Z_{2,bq^2} Z_{2,-bq^4}^{-1} Z_{1,-bq^3}$   
 Monomial 5:  $Z_{3,aq^6} Z_{2,bq^4}^{-1} Z_{2,-bq^4}^{-1} Z_{1,bq^3} Z_{1,-bq^3}$   
 Monomial 6:  $Z_{2,-bq^2} Z_{1,bq^5}^{-1}$   
 Monomial 7:  $Z_{2,bq^2} Z_{1,-bq^5}^{-1}$   
 Monomial 8:  $Z_{3,aq^{10}}^{-1} Z_{4,aq^8} Z_{1,bq^3} Z_{1,-bq^3}$   
 Monomial 9:  $Z_{3,aq^6} Z_{2,-bq^4}^{-1} Z_{1,bq^5}^{-1} Z_{1,-bq^3}$   
 Monomial 10:  $Z_{3,aq^6} Z_{2,bq^4}^{-1} Z_{1,bq^3} Z_{1,-bq^5}$   
 Monomial 11:  $Z_{4,aq^{12}}^{-1} Z_{1,bq^3} Z_{1,-bq^3}$   
 Monomial 12:  $Z_{3,aq^{10}}^{-1} Z_{4,aq^8} Z_{2,bq^4} Z_{1,bq^5}^{-1} Z_{1,-bq^3}$   
 Monomial 13:  $Z_{3,aq^{10}}^{-1} Z_{4,aq^8} Z_{2,-bq^4} Z_{1,bq^3} Z_{1,-bq^5}$   
 Monomial 14:  $Z_{3,aq^6} Z_{1,bq^5}^{-1} Z_{1,-bq^5}$   
 Monomial 15:  $Z_{4,aq^{12}}^{-1} Z_{2,bq^4} Z_{1,bq^5}^{-1} Z_{1,-bq^3}$

- Monomial 16:  $Z_{4,aq^{12}}^{-1} Z_{2,-bq^4} Z_{1,bq^3} Z_{1,-bq^5}^{-1}$   
Monomial 17:  $Z_{4,aq^8} Z_{2,bq^6}^{-1} Z_{1,-bq^3}$   
Monomial 18:  $Z_{3,aq^{10}}^{-1} Z_{4,aq^8} Z_{2,bq^4} Z_{2,-bq^4} Z_{1,bq^5}^{-1} Z_{1,-bq^5}^{-1}$   
Monomial 19:  $Z_{4,aq^8} Z_{2,-bq^6}^{-1} Z_{1,bq^3}$   
Monomial 20:  $Z_{3,aq^{10}} Z_{4,aq^{12}}^{-1} Z_{2,bq^6}^{-1} Z_{1,-bq^3}$   
Monomial 21:  $Z_{4,aq^{12}}^{-1} Z_{2,bq^4} Z_{2,-bq^4} Z_{1,bq^5}^{-1} Z_{1,-bq^5}^{-1}$   
Monomial 22:  $Z_{3,aq^{10}} Z_{4,aq^{12}}^{-1} Z_{2,-bq^6}^{-1} Z_{1,bq^3}$   
Monomial 23:  $Z_{4,aq^8} Z_{2,bq^6}^{-1} Z_{2,-bq^4} Z_{1,-bq^5}^{-1}$   
Monomial 24:  $Z_{4,aq^8} Z_{2,bq^4} Z_{2,-bq^6}^{-1} Z_{1,bq^5}^{-1}$   
Monomial 25:  $Z_{3,aq^{14}}^{-1} Z_{2,-bq^6} Z_{1,-bq^3}$   
Monomial 26:  $Z_{3,aq^{10}} Z_{4,aq^{12}}^{-1} Z_{2,bq^6}^{-1} Z_{2,-bq^4} Z_{1,-bq^5}^{-1}$   
Monomial 27:  $Z_{3,aq^{10}} Z_{4,aq^{12}}^{-1} Z_{2,bq^4} Z_{2,-bq^6}^{-1} Z_{1,bq^5}^{-1}$   
Monomial 28:  $Z_{3,aq^{14}}^{-1} Z_{2,bq^6} Z_{1,bq^3}$   
Monomial 29:  $Z_{3,aq^{10}} Z_{4,aq^8} Z_{2,bq^6}^{-1} Z_{2,-bq^6}^{-1}$   
Monomial 30:  $Z_{2,-bq^8}^{-1} Z_{1,-bq^3} Z_{1,-bq^7}$   
Monomial 31:  $Z_{3,aq^{14}}^{-1} Z_{2,-bq^4} Z_{2,-bq^6} Z_{1,-bq^5}^{-1}$   
Monomial 32:  $Z_{3,aq^{10}}^2 Z_{4,aq^{12}}^{-1} Z_{2,bq^6}^{-1} Z_{2,-bq^6}^{-1}$   
Monomial 33:  $Z_{3,aq^{14}}^{-1} Z_{2,bq^4} Z_{2,bq^6} Z_{1,bq^5}^{-1}$   
Monomial 34:  $Z_{2,bq^8}^{-1} Z_{1,bq^3} Z_{1,bq^7}$   
Monomial 35:  $Z_{3,aq^{14}}^{-1} Z_{4,aq^8} Z_{4,aq^{12}}$   
Monomial 36:  $Z_{1,-bq^3} Z_{1,-bq^9}^{-1}$   
Monomial 37:  $Z_{2,-bq^4} Z_{2,-bq^8}^{-1} Z_{1,-bq^5}^{-1} Z_{1,-bq^7}$   
Monomial 38:  $2Z_{3,aq^{10}} Z_{3,aq^{14}}^{-1}$   
Monomial 39:  $Z_{2,bq^4} Z_{2,bq^8}^{-1} Z_{1,bq^5}^{-1} Z_{1,bq^7}$   
Monomial 40:  $Z_{1,bq^3} Z_{1,bq^9}^{-1}$   
Monomial 41:  $Z_{4,aq^8} Z_{4,aq^{16}}^{-1}$   
Monomial 42:  $Z_{2,-bq^4} Z_{1,-bq^5}^{-1} Z_{1,-bq^9}^{-1}$   
Monomial 43:  $Z_{3,aq^{10}} Z_{2,-bq^6}^{-1} Z_{2,-bq^8}^{-1} Z_{1,-bq^7}$   
Monomial 44:  $Z_{3,aq^{14}}^{-2} Z_{4,aq^{12}} Z_{2,bq^6} Z_{2,-bq^6}$   
Monomial 45:  $Z_{3,aq^{10}} Z_{2,bq^6}^{-1} Z_{2,bq^8}^{-1} Z_{1,bq^7}$   
Monomial 46:  $Z_{2,bq^4} Z_{1,bq^5}^{-1} Z_{1,bq^9}^{-1}$   
Monomial 47:  $Z_{3,aq^{10}} Z_{4,aq^{12}}^{-1} Z_{4,aq^{16}}^{-1}$   
Monomial 48:  $Z_{3,aq^{10}} Z_{2,-bq^6}^{-1} Z_{1,-bq^9}^{-1}$   
Monomial 49:  $Z_{3,aq^{14}}^{-1} Z_{4,aq^{12}} Z_{2,bq^6} Z_{2,-bq^8}^{-1} Z_{1,-bq^7}$   
Monomial 50:  $Z_{3,aq^{14}}^{-1} Z_{4,aq^{16}} Z_{2,bq^6} Z_{2,-bq^6}$   
Monomial 51:  $Z_{3,aq^{14}}^{-1} Z_{4,aq^{12}} Z_{2,bq^8}^{-1} Z_{2,-bq^6} Z_{1,bq^7}$   
Monomial 52:  $Z_{3,aq^{10}} Z_{2,bq^6}^{-1} Z_{1,bq^9}^{-1}$   
Monomial 53:  $Z_{3,aq^{14}}^{-1} Z_{4,aq^{12}} Z_{2,bq^6} Z_{1,-bq^9}^{-1}$   
Monomial 54:  $Z_{4,aq^{16}}^{-1} Z_{2,bq^6} Z_{2,-bq^8}^{-1} Z_{1,-bq^7}$   
Monomial 55:  $Z_{4,aq^{12}} Z_{2,bq^8}^{-1} Z_{2,-bq^8}^{-1} Z_{1,bq^7} Z_{1,-bq^7}$   
Monomial 56:  $Z_{4,aq^{16}}^{-1} Z_{2,bq^8}^{-1} Z_{2,-bq^6} Z_{1,bq^7}$   
Monomial 57:  $Z_{3,aq^{14}}^{-1} Z_{4,aq^{12}} Z_{2,-bq^6} Z_{1,bq^9}^{-1}$   
Monomial 58:  $Z_{4,aq^{16}}^{-1} Z_{2,bq^6} Z_{1,-bq^9}^{-1}$   
Monomial 59:  $Z_{4,aq^{12}} Z_{2,bq^8}^{-1} Z_{1,bq^7} Z_{1,-bq^9}^{-1}$

- Monomial 60:  $Z_{3,aq^{14}} Z_{4,aq^{16}}^{-1} Z_{2,bq^8}^{-1} Z_{2,-bq^8}^{-1} Z_{1,bq^7} Z_{1,-bq^7}$   
 Monomial 61:  $Z_{4,aq^{12}} Z_{2,-bq^8}^{-1} Z_{1,bq^9}^{-1} Z_{1,-bq^7}$   
 Monomial 62:  $Z_{4,aq^{16}}^{-1} Z_{2,-bq^6} Z_{1,bq^9}^{-1}$   
 Monomial 63:  $Z_{3,aq^{14}} Z_{4,aq^{16}}^{-1} Z_{2,bq^8}^{-1} Z_{1,bq^7} Z_{1,-bq^9}$   
 Monomial 64:  $Z_{4,aq^{12}} Z_{1,bq^9}^{-1} Z_{1,-bq^9}$   
 Monomial 65:  $Z_{3,aq^{18}}^{-1} Z_{1,bq^7} Z_{1,-bq^7}$   
 Monomial 66:  $Z_{3,aq^{14}} Z_{4,aq^{16}}^{-1} Z_{2,-bq^8}^{-1} Z_{1,bq^9}^{-1} Z_{1,-bq^7}$   
 Monomial 67:  $Z_{3,aq^{18}}^{-1} Z_{2,-bq^8} Z_{1,bq^7} Z_{1,-bq^9}$   
 Monomial 68:  $Z_{3,aq^{14}} Z_{4,aq^{16}}^{-1} Z_{1,bq^9}^{-1} Z_{1,-bq^9}$   
 Monomial 69:  $Z_{3,aq^{18}}^{-1} Z_{2,bq^8} Z_{1,bq^9}^{-1} Z_{1,-bq^7}$   
 Monomial 70:  $Z_{2,-bq^{10}}^{-1} Z_{1,bq^7}$   
 Monomial 71:  $Z_{3,aq^{18}}^{-1} Z_{2,bq^8} Z_{2,-bq^8} Z_{1,bq^9}^{-1} Z_{1,-bq^9}$   
 Monomial 72:  $Z_{2,bq^{10}}^{-1} Z_{1,-bq^7}$   
 Monomial 73:  $Z_{2,bq^8} Z_{2,-bq^{10}}^{-1} Z_{1,bq^9}^{-1}$   
 Monomial 74:  $Z_{2,bq^{10}}^{-1} Z_{2,-bq^8} Z_{1,-bq^9}$   
 Monomial 75:  $Z_{3,aq^{18}} Z_{2,bq^{10}}^{-1} Z_{2,-bq^{10}}^{-1}$   
 Monomial 76:  $Z_{3,aq^{22}}^{-1} Z_{4,aq^{20}}$   
 Monomial 77:  $Z_{4,aq^{24}}^{-1}$

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