

$$\frac{[13](s_{124}-s_{134})(s_{13}+s_{12}+s_{34}+s_{24})(-9/16[14][15]\langle 36 \rangle + 3/8\langle 34 \rangle [35]\langle 36 \rangle + 15/16\langle 23 \rangle [25]\langle 46 \rangle)}{(2|1+4|3]\Delta_{14|32|56}^2} +$$

$$\frac{(s_{124}-s_{134})(s_{132}-s_{324})(s_{13}+s_{12}+s_{34}+s_{24})(15/32\langle 23 \rangle [25][34]\langle 46 \rangle - 9/32\langle 14 \rangle [15][34]\langle 36 \rangle + 3/16[12]\langle 26 \rangle \langle 1|2+3|5])}{\langle 1|2+3|4]\langle 2|1+4|3]\Delta_{14|32|56}^2} +$$

$$(123456 \rightarrow \overline{432165}) +$$

$$\frac{-2[23]\langle 26 \rangle \langle 36 \rangle}{\langle 56 \rangle \langle 1|2+3|4]\langle 2|1+4|3]} +$$

$$(123456 \rightarrow -\overline{341265}) +$$

$$\frac{\langle 26 \rangle (-4\langle 16 \rangle [56] + 6\langle 14 \rangle [45])}{\langle 12 \rangle \langle 1|2+3|4]\langle 2|1+4|3]} +$$

$$\frac{2\langle 13 \rangle [23]\langle 26 \rangle^2}{\langle 12 \rangle \langle 56 \rangle \langle 1|2+3|4]\langle 2|1+4|3]} +$$

$$\frac{-2\langle 14 \rangle \langle 24 \rangle [45]^2}{\langle 12 \rangle [56] \langle 1|2+3|4]\langle 2|1+4|3]} +$$

$$\frac{[24](s_{132}-s_{324})(-5/4\langle 36 \rangle \langle 1|2+3|5] - 3/4\langle 13 \rangle [45]\langle 46 \rangle)}{(1|2+3|4]^2\Delta_{14|32|56}} +$$

$$\frac{1/2[24]\langle 26 \rangle \langle 1|2+3|5](s_{132}-s_{324})(s_{13}-s_{24})}{\langle 1|2+3|4]^2\langle 2|1+4|3]\Delta_{14|32|56}} +$$

$$\frac{1\langle 23 \rangle [35]\langle 6|2+5|3](s_{13}-s_{24})(s_{124}-s_{134})}{\langle 1|2+3|4]\langle 2|1+4|3]^2\Delta_{14|32|56}} +$$

$$\frac{-3/4[12][15]\langle 34 \rangle \langle 46 \rangle}{\langle 4|2+3|1]\Delta_{14|32|56}} +$$

$$\frac{-5/4\langle 23 \rangle [26][35]^2\langle 36 \rangle \langle 56 \rangle \dots \langle 116 \text{ terms} \rangle \dots + 2\langle 25 \rangle [25]^2\langle 26 \rangle \langle 34 \rangle [34]}{(1|2+3|4]\langle 2|1+4|3]\Delta_{14|32|56}}$$