$$\frac{-1/4\langle 1|\mathbf{4}|\mathbf{3}-\mathbf{5}|1\rangle\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|2](s_{12}-3m_h^2+8m_t^2)}{\langle 12\rangle\Delta_{12|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{(\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]-\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|2])\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|2]\langle 1|\mathbf{3}|\mathbf{4}|1\rangle(-1/4(s_{12}-3m_h^2+8m_t^2)-1/8(s_{\mathbf{14}}-s_{\mathbf{15}}-2s_{12}+2s_{\mathbf{34}}-2m_h^2))}{\langle 12\rangle\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]\Delta_{12|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{(\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]-\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|2])\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]\langle 1|\mathbf{5}|\mathbf{4}|1\rangle(-1/4(s_{12}-3m_h^2+8m_t^2)-1/8(s_{\mathbf{14}}-2s_{\mathbf{15}}-2s_{12}+2s_{\mathbf{34}}))}{\langle 12\rangle\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]\Delta_{12|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{(\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]-\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|2])\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|2]\langle 1|\mathbf{3}|\mathbf{5}|2\rangle(-1/8(m_h^2-3s_{12}+2s_{\mathbf{14}}-2s_{\mathbf{23}}-s_{\mathbf{24}})-1/4(s_{12}-3m_h^2+8m_t^2))}{\langle 12\rangle\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]\Delta_{12|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{(\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]-\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|2])\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|2](3/16\langle 1|\mathbf{3}|1]^2+3/16\langle 1|\mathbf{4}|1]^2+1/8\mathrm{tr}(\mathbf{3}|\mathbf{4})\langle 2|\mathbf{3}|2]+1/16\langle 2|\mathbf{3}|2]^2)}{\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]\Delta_{12|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{(\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]-\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|2])(-1/8\langle 1|\mathbf{3}|2]\langle 1|\mathbf{3}|\mathbf{5}|1\rangle+1/4\langle 1|\mathbf{4}|2]\langle 1|\mathbf{3}|\mathbf{4}|1\rangle)}{\langle 12\rangle\Delta_{12|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{-1/4\langle 1|\mathbf{4}|2]\langle 1|\mathbf{4}|1](\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]-\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|2])\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]}{\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]\Delta_{12|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{(\langle 1|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]-\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|2])\langle 1|\mathbf{3}|\mathbf{4}|1\rangle m_h^2(-1/8m_h^2\langle 1|\mathbf{4}|1]-1/8(s_{\mathbf{34}}-m_h^2)\langle 2|\mathbf{3}|2])}{\langle 12\rangle\langle 2|\mathbf{3}|\mathbf{4}|\mathbf{5}|1]\Delta_{12|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$(12345\to\overline{21\mathbf{543}})$$