$$\frac{(1/3\langle 12\rangle\langle \mathbf{32}\rangle[12]\langle \mathbf{24}\rangle+1/3\langle \mathbf{34}\rangle\langle 12\rangle\langle 2|\mathbf{3}|1]+2/3m_t^2\langle \mathbf{32}\rangle\langle \mathbf{24}\rangle)}{\langle 12\rangle(s_{\mathbf{123}}-m_t^2)}+$$

$$\frac{2/3m_t^2\langle \mathbf{34}\rangle\langle 2|\mathbf{3}|1]}{\langle 12\rangle[12](s_{\mathbf{123}}-m_t^2)}+$$

$$\frac{m_t^2\langle 2|\mathbf{3}|1](s_{\mathbf{123}}-m_t^2)(1/8\langle \mathbf{24}\rangle\langle \mathbf{3}|\mathbf{4}|2]\dots\langle\langle 3\,\text{terms}\rangle\rangle\dots-1/8\langle 2|\mathbf{4}|2]\langle \mathbf{34}\rangle)}{\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{45}}^2}+$$

$$\frac{(\langle 2|\mathbf{3}|1+2|\mathbf{4}|1]-\langle 2|\mathbf{4}|1+2|\mathbf{3}|1])m_t(\mathrm{tr}(\mathbf{3}|\mathbf{4})\mathrm{tr}(1+2|\mathbf{3})-2m_t^2\mathrm{tr}(1+2|\mathbf{4}))(s_{\mathbf{123}}-m_t^2)(1/48m_t^2[24]\langle \mathbf{32}\rangle-1/48\langle \mathbf{3}|\mathbf{4}|1\rangle\langle 1|\mathbf{3}|\mathbf{4}]-1/48\langle 2|\mathbf{3}|\mathbf{4}]\langle \mathbf{3}|\mathbf{4}|2]+1/48m_t^2\langle \mathbf{31}\rangle[\mathbf{14}])}{\langle 12\rangle[12]\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}^2}+$$

$$\frac{(\mathrm{tr}(\mathbf{3}|\mathbf{4})\mathrm{tr}(1+2|\mathbf{3})-2m_t^2\mathrm{tr}(1+2|\mathbf{4}))m_t^2(1/32\langle 2|\mathbf{3}|2]\langle \mathbf{3}|\mathbf{4}|1]\langle \mathbf{24}\rangle\dots\langle\langle 21\,\text{terms}\rangle\rangle\dots+1/96\langle 2|\mathbf{4}|2]\langle \mathbf{32}\rangle[12]\langle \mathbf{24}\rangle)}{\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{45}}\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{m_t^2(\mathrm{tr}(1+2|\mathbf{3})\mathrm{tr}(1+2|\mathbf{4})-2s_{\mathbf{12}}\mathrm{tr}(\mathbf{3}|\mathbf{4}))(-1/96\langle 2|\mathbf{3}|2]\langle \mathbf{3}|\mathbf{4}|1]\langle \mathbf{24}\rangle\dots\langle\langle 10\,\text{terms}\rangle\rangle\dots+1/24\langle \mathbf{3}|\mathbf{4}|1]\mathrm{tr}(\mathbf{3}|\mathbf{4})\langle \mathbf{24}\rangle)}{\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{45}}\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{\langle \mathbf{32}\rangle(\mathrm{tr}(\mathbf{3}|\mathbf{4})\mathrm{tr}(1+2|\mathbf{3})-2m_t^2\mathrm{tr}(1+2|\mathbf{4}))m_t(1/32[24]\langle \mathbf{1}|\mathbf{3}|1]\langle 2|\mathbf{4}|1]\dots\langle\langle 3\,\text{terms}\rangle\rangle\dots+1/48[12]\langle 1|\mathbf{3}|\mathbf{4}|2][\mathbf{14}])}{\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{45}}\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{\langle \mathbf{32}\rangle m_t(\mathrm{tr}(1+2|\mathbf{3})\mathrm{tr}(1+2|\mathbf{4})-2s_{\mathbf{12}}\mathrm{tr}(\mathbf{3}|\mathbf{4}))(1/96\mathrm{tr}(\mathbf{3}|\mathbf{4})\langle 1|\mathbf{3}|1][\mathbf{14}]-1/96\langle 2|\mathbf{3}|\mathbf{4}][1|\mathbf{3}|\mathbf{4}|2])}{\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{45}}\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{(\mathrm{tr}(\mathbf{3}|\mathbf{4})\mathrm{tr}(1+2|\mathbf{3})-2m_t^2\mathrm{tr}(1+2|\mathbf{4}))m_t^2(s_{\mathbf{123}}-m_t^2)(-1/32\langle \mathbf{31}\rangle\langle \mathbf{24}\rangle\langle 2|\mathbf{4}|1]+1/48\langle 2|\mathbf{3}|\mathbf{4}|2\rangle\langle \mathbf{34}\rangle-1/32\langle 2|\mathbf{4}|2]\langle \mathbf{32}\rangle\langle \mathbf{24}\rangle+1/48m_t^2\langle \mathbf{32}\rangle\langle \mathbf{24}\rangle)}{\langle 12\rangle\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{45}}\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{1/48\langle 2|\mathbf{3}|\mathbf{4}][\mathbf{3}|\mathbf{4}|2\rangle(\mathrm{tr}(\mathbf{3}|\mathbf{4})\mathrm{tr}(1+2|\mathbf{3})-2m_t^2\mathrm{tr}(1+2|\mathbf{4}))m_t^2(s_{\mathbf{123}}-m_t^2)}{\langle 12\rangle\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{45}}\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{m_t(-1/24\langle \mathbf{3}|\mathbf{4}|2]\langle 2|\mathbf{3}|\mathbf{4}\rangle\langle 12\rangle\langle 2|\mathbf{3}|1]\dots\langle\langle 47\,\text{terms}\rangle\rangle\dots+1/12[24]\langle \mathbf{32}\rangle\langle 1|\mathbf{3}|\mathbf{4}|2\rangle\langle 2|\mathbf{4}|1])}{\langle 12\rangle\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{m_t(-5/24\mathrm{tr}(\mathbf{3}|\mathbf{4})\langle \mathbf{24}\rangle\langle 2|\mathbf{3}|1][\mathbf{3}|\mathbf{4}|1\rangle\dots\langle\langle 11\,\text{terms}\rangle\rangle\dots+1/8\langle 2|\mathbf{3}|\mathbf{4}|2\rangle\mathrm{tr}(\mathbf{3}|\mathbf{4})\langle \mathbf{14}\rangle[\mathbf{31}])}{\langle 12\rangle\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{(-1/24\langle 2|\mathbf{3}|\mathbf{4}|2\rangle\mathrm{tr}(\mathbf{3}|\mathbf{4})\langle \mathbf{32}\rangle[2|\mathbf{3}|\mathbf{4}\rangle\dots\langle\langle 13\,\text{terms}\rangle\rangle\dots+1/24\langle \mathbf{34}\rangle\langle 12\rangle\langle 2|\mathbf{3}|2]\langle 2|\mathbf{3}|1]\mathrm{tr}(\mathbf{3}|\mathbf{4}))}{\langle 12\rangle\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{\langle 2|\mathbf{3}|\mathbf{4}|2][\mathbf{34}](1/12m_t^2\mathrm{tr}(\mathbf{3}|\mathbf{4})-1/6m_t^4-1/24\mathrm{tr}(\mathbf{3}|\mathbf{4})\langle 1|\mathbf{3}|1]-1/24\mathrm{tr}(\mathbf{3}|\mathbf{4})\langle 2|\mathbf{3}|2])}{\langle 12\rangle\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$\frac{m_t(-1/3m_t^2\langle \mathbf{31}\rangle\langle 2|\mathbf{3}|\mathbf{4}][1|\mathbf{3}|\mathbf{4}|1]\dots\langle\langle 12\,\text{terms}\rangle\rangle\dots+1/6m_t^2\langle 2|\mathbf{3}|\mathbf{4}\rangle\langle 1|\mathbf{4}|1]\langle \mathbf{3}|\mathbf{4}|1])}{\langle 12\rangle[12]\Delta_{\mathbf{12}|\mathbf{3}|\mathbf{4}|\mathbf{5}}}+$$

$$(12345\to\overline{21345})$$