

$$\begin{aligned}
& \frac{m_t^2(5/3(12)(34|2)(14) \dots \langle 4 \text{ terms} \rangle \dots - 5/6 \text{tr}(34)(14)(31))}{(135|1)(15|2)} + \\
& \frac{[24](12)m_t^2(5/6(34|1)-5/6(32)(12))}{(135|1)(15|2)} + \\
& \frac{(31)m_t(-5/6[14](134|1) \dots \langle 4 \text{ terms} \rangle \dots - 5/6(134|\text{tr}(34)-5/6(134|(24|2))}{(135|1)(15|2)} + \\
& \frac{5/3(34)m_t^2}{(15|2)} + \\
& \frac{m_t(5/6(32)[24]-5/6[14](31))}{(15|2)} + \\
& \frac{m_t((3 \otimes (1|2|3+4|3+4|-|13+4|14|3+4|+|13+4|3+4|4|1+2|-|3+4|2|3+4|1+2)| \otimes 4))(5/24(13|1)-5/24(23|2)+5/24 \text{tr}(34)+5/12 m_t^2)}{(15|2)\Delta_{12|34|5}} + \\
& \frac{m_t^2(5/12(24)(34|1)(23|2) \dots \langle 13 \text{ terms} \rangle \dots + 5/6(24)(34|1 \text{tr}(34))}{\Delta_{12|34|5}} + \\
& \frac{(32)m_t(5/24 \text{tr}(34)^2|14|+5 \text{tr}(34)(13|1)|14|-5/24 \text{tr}(34)(23|2)|14|-5/12(234|1|34|2))}{\Delta_{12|34|5}} + \\
& (12345 \rightarrow -21345) + \\
& \frac{m_t^2(3(12)(34|2)(14) \dots \langle 3 \text{ terms} \rangle \dots - 3/2 \text{tr}(34)(14)(31))}{(135|1)(15|2)} + \\
& \frac{[24](12)m_t^2(3/2(34|1)-3/2(32)(12))}{(135|1)(15|2)} + \\
& \frac{(31)m_t(-3/2[14](134|1) \dots \langle 4 \text{ terms} \rangle \dots - 3/2(134|\text{tr}(34)-3/2(134|(24|2))}{(135|1)(15|2)} + \\
& \frac{(32)m_t(-8/3(234|+8/3(12|14))}{(12)(s_{124}-m_t^2)} + \\
& \frac{8/3(24)(34|2)m_t}{(12)(s_{124}-m_t^2)} + \\
& \frac{(8/3(24)(32)(23|2) \dots \langle 3 \text{ terms} \rangle \dots - 8/3(24)(32)m_t^2)}{(12)(s_{124}-m_t^2)} + \\
& \frac{-8/3(234|34|2)}{(12)(s_{124}-m_t^2)} + \\
& \frac{-8/3 \text{tr}(34)(24|1)(34)}{(12)(12)(s_{124}-m_t^2)} + \\
& \frac{(\text{tr}(53) \text{tr}(54)-2m_h^2 \text{tr}(34))m_t((23|1+24|1|-(24|1+23|1))(-3/16(32)[24](24|2)m_t^2 \dots \langle 29 \text{ terms} \rangle \dots - 1/48 \text{tr}(34)(234|34|2))}{(12)[12]\Delta_{12|34|5}} + \\
& \frac{m_t(\text{tr}(53) \text{tr}(34)-2m_t^2 \text{tr}(54))((23|1+24|1|-(24|1+23|1))(5/24(13|2)(32)(23|2)|14) \dots \langle 45 \text{ terms} \rangle \dots + 1/48 \text{tr}(34)(234|34|2))}{(12)[12]\Delta_{12|34|5}} + \\
& \frac{m_t((3 \otimes (1|2|3+4|3+4|-|13+4|14|3+4|+|13+4|3+4|4|1+2|-|3+4|2|3+4|1+2)| \otimes 4))(3/8(13|1)-3/8(23|2)+3 \text{tr}(34)-3/4 m_t^2)}{(15|2)\Delta_{12|34|5}} + \\
& \frac{m_t(3/2(32)[24]-3/2[14](31))}{(15|2)} + \\
& \frac{3m_t^2(34)}{(15|2)} + \\
& \frac{(\text{tr}(53) \text{tr}(54)-2m_h^2 \text{tr}(34))m_t^2(-1/3(34|1)(234|2)(14) \dots \langle 11 \text{ terms} \rangle \dots - 1/3(24)(234|2)(34|2))}{(12)\Delta_{124|35}\Delta_{12|34|5}} + \\
& \frac{(234|2)(34)(\text{tr}(53) \text{tr}(54)-2m_t^2 \text{tr}(34))m_t^2(1/6 \text{tr}(34)+1/6(23|2)+1/6(13|1))}{(12)\Delta_{124|35}\Delta_{12|34|5}} + \\
& \frac{m_t(-5/12(12)(34|2)(23|1)(234|1) \dots \langle 54 \text{ terms} \rangle \dots + 7/6(32)[24](24|1)(134|2))}{(12)\Delta_{12|34|5}} + \\
& \frac{m_t(1/4(24)(32)(234|2)(14|1) \dots \langle 16 \text{ terms} \rangle \dots + 1/4(31)(234|2)(14) \text{tr}(34))}{(12)\Delta_{12|34|5}} + \\
& \frac{m_t(1/6 \text{tr}(34)(234|1|34|1)(31) \dots \langle 14 \text{ terms} \rangle \dots + 2/3(32)[24](24|1)m_t^4)}{(12)[12]\Delta_{12|34|5}} + \\
& \frac{(2/3 \text{tr}(34)(32)(234|2)(234|1) \dots \langle 10 \text{ terms} \rangle \dots - 1/3(12)(34) \text{tr}(34)(23|1)(23|2))}{(12)\Delta_{12|34|5}} + \\
& \frac{\text{tr}(34)(234|2)(34)(-1/3 \text{tr}(34)+1/3(13|1)+1/3(23|2))}{(12)\Delta_{12|34|5}} + \\
& \frac{\text{tr}(34)(-2/3(34|1)(234|2)(234|1)-2/3(34)(134|1)(134|2))}{(12)[12]\Delta_{12|34|5}} + \\
& (12345 \rightarrow 21345)
\end{aligned}$$