

$$\begin{aligned}
& \left\{ \mathcal{A}_{ia}^{c1} b^{aa1} \pi_b^{bb1} \hat{\gamma}_{a1b1} \hat{\gamma}_{cc1} h_k^c n_b + \right. \\
& \mathcal{A}_{ac1}^d b^{aa1} \pi_b^{bb1} \hat{\gamma}_{a1b1} \hat{\gamma}_{cd} h_k^c n_b n^{c1} n_i - \\
& \mathcal{A}_{ia}^d b^{aa1} \pi_b^{bb1} \hat{\gamma}_{a1b1} \hat{\gamma}_{c1d} h^{cc1} n_b n_c n_k - \\
& \mathcal{A}_{ad}^{d1} b^{aa1} \pi_b^{bb1} \hat{\gamma}_{a1b1} \hat{\gamma}_{c1d1} h^{cc1} n_b n_c \\
& n^d n_i n_k + \pi_b^{aa1} \hat{\gamma}_{a1b1} \hat{\gamma}_{bc} h_k^b n_a \partial^c b_i^{b1} + \\
& b_i^a \hat{\gamma}_{ab1} \hat{\gamma}_{a1c} h_k^{a1} n^b \partial^c \pi_b^{b1} - \\
& \pi_b^{aa1} \hat{\gamma}_{a1c} \hat{\gamma}_{bc1} h_k^b n_a n^{b1} n_i \partial^{c1} b_{b1}^c - \\
& \pi_b^{aa1} \hat{\gamma}_{a1c} \hat{\gamma}_{b1c1} h^{bb1} n_a n_b n_k \partial^{c1} b_i^c - \\
& b_i^a \hat{\gamma}_{ac} \hat{\gamma}_{bc1} h^{a1b} n_{a1} n^{b1} n_k \partial^{c1} \pi_b^{b1}^c + \\
& \pi_b^{aa1} \hat{\gamma}_{a1c1} \hat{\gamma}_{b1d} h^{bb1} n_a n_b n^c n_i n_k \partial^d b_c^{c1} - \\
& b_i^a \pi_b^{a1b} \hat{\gamma}_{ab} \hat{\gamma}_{b1d} h_{a1}^c h_k^{b1} n^{c1} \partial^d b_{c1c} + \\
& b_i^a \pi_b^{a1b} \hat{\gamma}_{ab} \hat{\gamma}_{c1d1} h_{a1}^{b1} h^{cc1} n_c n^d n_k \\
& \partial^{d1} b_{db1} + b_i^a \pi_b^{a1b} \hat{\gamma}_{ab} \hat{\gamma}_{b1d1} h^{cc1} h_k^{b1} \\
& n_{a1} n_c n^d \partial^{d1} b_{dc1} - b_i^a \pi_b^{a1b} \hat{\gamma}_{ab} \hat{\gamma}_{de} \\
& h^{b1c} h^{c1d} n_{a1} n_{b1} n_{c1} n^{d1} n_k \partial^e b_{d1c} \left. \right\}
\end{aligned}$$