

$$\mathcal{A}_{ia}{}^{c'}{}_b{}^{aa'}\pi_b{}^{bb'}\gamma^l{}_{a'b'}\gamma^l{}_{cc'}h_h{}^cn_b+\mathcal{A}_{ac'}{}^d{}_b{}^{aa'}\pi_b{}^{bb'}\gamma^l{}_{a'b'}\gamma^l{}_{cd}h_h{}^cn_bn^{c'}n_i-\mathcal{A}_{ia}{}^d{}_b{}^{aa'}\pi_b{}^{bb'}\gamma^l{}_{a'b'}\gamma^l{}_{c'd}h^{cc'}n_bn_cn_h-$$

$$\mathcal{A}_{ad}{}^{d'}{}_b{}^{aa'}\pi_b{}^{bb'}\gamma^l{}_{a'b'}\gamma^l{}_{c'd'}h^{cc'}n_bn_cn^dn_in_h+\pi_b{}^{aa'}\gamma^l{}_{a'b'}\gamma^l{}_{bc}h_h{}^bn_a\partial^cb_i{}^{b'}+b_i{}^a\gamma^l{}_{ab'}\gamma^l{}_{a'c}h_h{}^{a'}n^b\partial^c\pi_b{}^{b'}-$$

$$\pi_b{}^{aa'}\gamma^l{}_{a'c}\gamma^l{}_{bc'}h_h{}^bn_an^{b'}n_i\partial^{c'}b_{b'}{}^c-\pi_b{}^{aa'}\gamma^l{}_{a'c}\gamma^l{}_{b'c'}h^{bb'}n_an_bn_h\partial^{c'}b_i{}^c-b_i{}^a\gamma^l{}_{ac}\gamma^l{}_{bc'}h^{a'b}n_{a'}n^{b'}n_h\partial^{c'}\pi_b{}^{b'}{}^c+$$

$$\pi_b{}^{aa'}\gamma^l{}_{a'c'}\gamma^l{}_{b'd}h^{bb'}n_an_bn^cn_in_h\partial^db_c{}^{c'}-b_i{}^a\pi_b{}^{a'b}\gamma^l{}_{ab}\gamma^l{}_{b'd}h_{a'}{}^ch_h{}^{b'}n^{c'}\partial^db_{c'c}+b_i{}^a\pi_b{}^{a'b}\gamma^l{}_{ab}\gamma^l{}_{c'd'}h_{a'}{}^{b'}h^{cc'}n_cn^dn_h\partial^{d'}b_{db'}+$$

$$b_i{}^a\pi_b{}^{a'b}\gamma^l{}_{ab}\gamma^l{}_{b'd'}h^{cc'}h_h{}^{b'}n_{a'}n_cn^d\partial^{d'}b_{dc'}-b_i{}^a\pi_b{}^{a'b}\gamma^l{}_{ab}\gamma^l{}_{de}h^{b'c}h^{c'd}n_{a'}n_{b'}n_{c'}n^{d'}n_h\partial^eb_{d'c}$$