L

3 R^4
$1 \times$ MHV

4 D^2R^4 R^5
♯ ♯

5 D^4R^4 D^2R^5 R^6
$1 \times$ MHV ♯ MHV ♯
NMHV ♯

6 D^6R^4 D^4R^5 D^2R^6 R^7
$1 \times$ MHV ♯ MHV ♯ MHV ♯
NMHV ♯ NMHV ♯

No independent SUSY operators at the MHV and NMHV level here

7 D^8R^4 D^6R^5 D^4R^6 D^2R^7 R^8
$1 \times$ MHV ♯ MHV ♯ MHV ♯ MHV ♯
$\geq 1 \times$ NMHV NMHV ♯ NMHV ♯
N^{2}MHV?

8 $D^{10}R^4$ D^8R^5 D^6R^6 D^4R^7 D^2R^8 R^9
$1 \times$ MHV $1 \times$ MHV MHV ♯ MHV ♯ MHV ♯ MHV ♯
NMHV? NMHV? NMHV ♯ NMHV ♯
N^{2}MHV? N^{2}MHV?

9 $D^{12}R^4$ $D^{10}R^5$ D^8R^6 D^6R^7 D^4R^8 D^2R^9 R^{10}
$2 \times$ MHV $\geq 1 \times$ MHV $2 \times$ MHV MHV ♯ MHV ♯ MHV ♯ MHV ♯
NMHV? NMHV? N or N^{2}MHV? NMHV ♯ NMHV ♯
N^{2}MHV? N^2 or N^{3}MHV?

- red: excluded.   - green: linearized supersymmetrization exists.   - gray: not excluded.