



SUPPLEMENTARY FIG. S2. Knockdown of collagen VI α 3, laminin β 1, collagen XII α 1, or perlecan does not significantly alter motoneuron growth on protoplasmic astrocyte ECM. **(A)** Effect of collagen VI α 3 (colVI α 3) knockdown on motoneuron neurite length on resulting protoplasmic ECM. $N=15-67$. Four separate shRNA constructs were used. **(B)** Effect of laminin β 1 (lam β 1) knockdown on motoneuron neurite length. $N=19-67$. Five separate shRNA constructs were used. **(C)** Effect of collagen XII α 1 (colXII α 1) and perlecan knockdown on motoneuron neurite length on resulting protoplasmic ECM. $N=13-30$. Five separate shRNA constructs were used for collagen XII α 1 and 1 previously validated construct was used for perlecan. ECM, extracellular matrix.