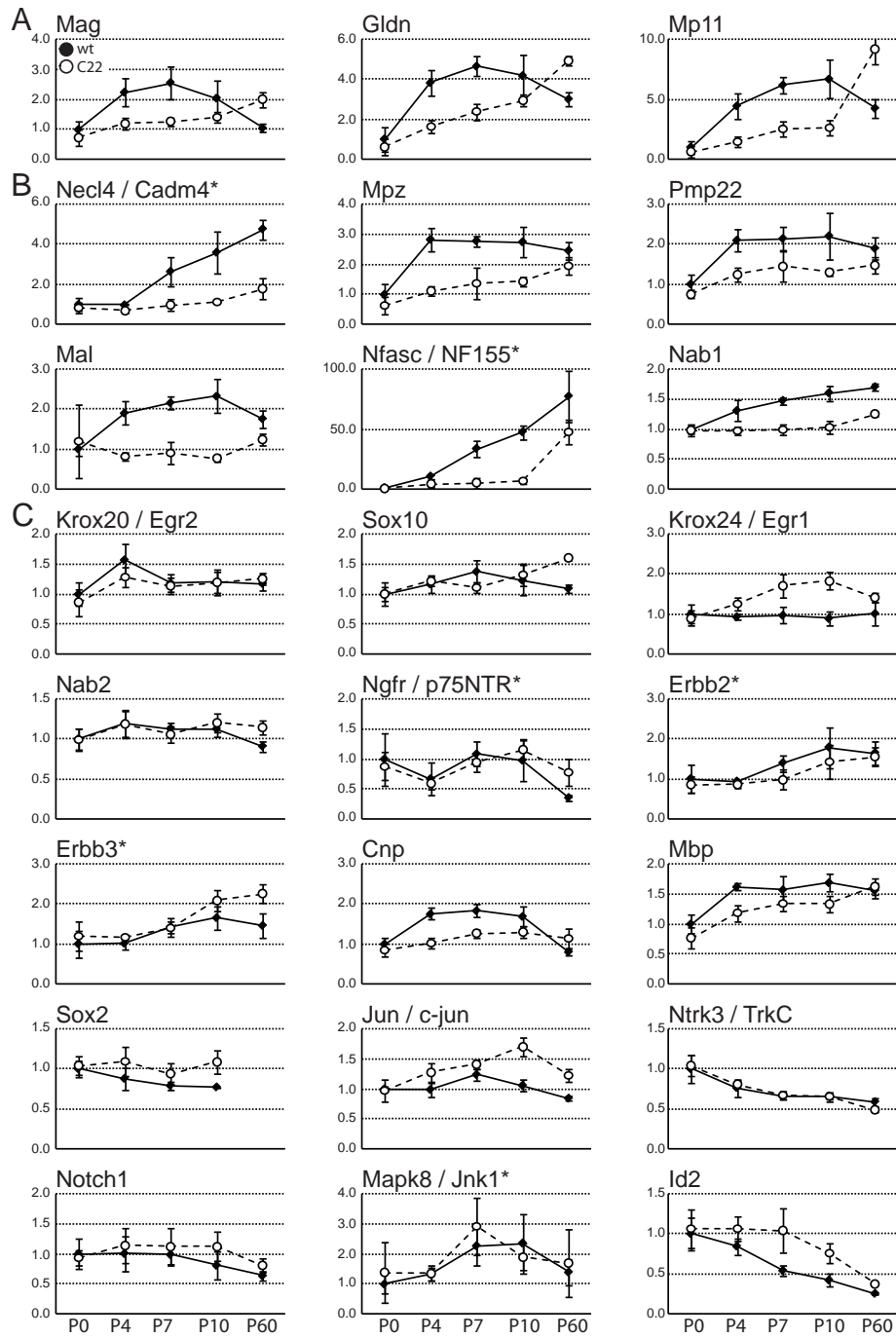


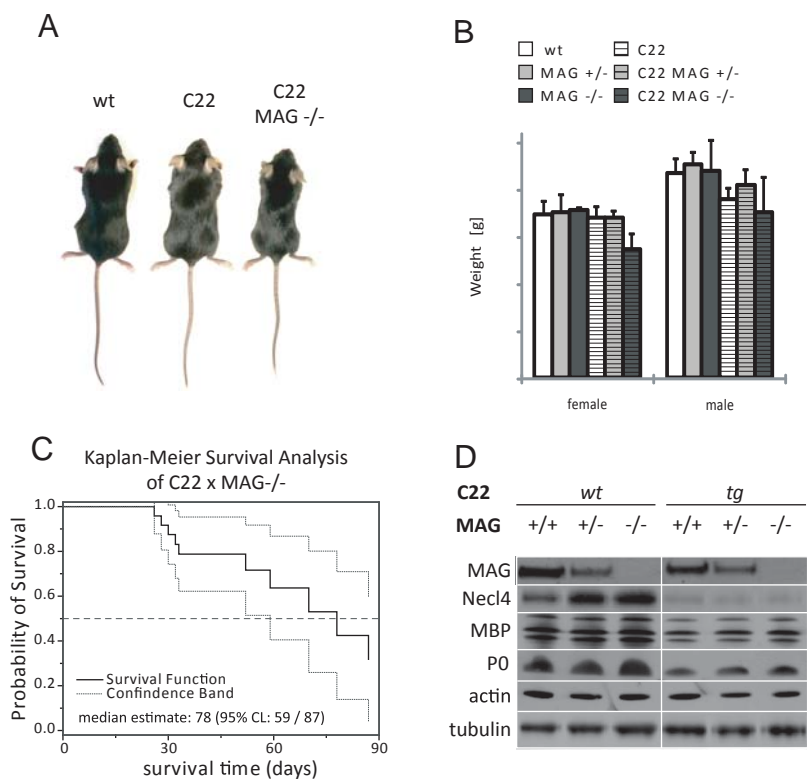
G

		% MAG positive myelinated fibers	ratio MAG/P0	ratio S-MAG/P0	ratio L-MAG/P0
Control (S)		50%	0.0774	0.0216	0.0029
Control (U)		79%	0.0454	0.0352	0.0065
Control (X)		64%	0.0212	0.0268	0.0015
CMT1A (mi5)		92%	0.1109	0.0409	0.0505
CMT1A (mi6)		88%	0.2124	0.0723	0.0468
CMT1A (mi7)		87%	0.6105	0.0533	0.0483
HNPP (mi1)		84%	0.1411	0.0232	0.0024
HNPP (mi2)		15%	0.0763	0.0117	0.0261
HNPP (mi3)		61%	0.2027	0.0685	0.0431
HNPP (mi4)		86%	0.3469	0.0410	0.0319
HNPP (mi9)		90%	0.1441	0.0548	0.0301
average values					
Control	(n=3)	64%	0.0480 (0.0163)	0.0279 (0.0040)	0.0036 (0.0015)
CMT1A	(n=3)	89%	0.3113 (0.1525)	0.0555 (0.0091)	0.0485 (0.0011)
HNPP	(n=5)	67%	0.1822 (0.0458)	0.0398 (0.0103)	0.0267 (0.0067)

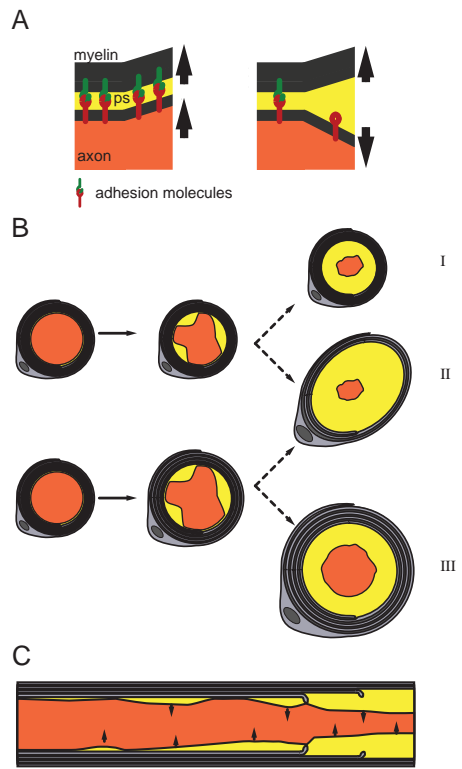
Supplementary Figure 1



Supplementary Figure 2



Supplementary Figure 3



Supplement Figure 4