

**Table S3: Motif-Tissue-Scores of the ten highest-scoring motif duplicates in the anterior and posterior nervous system.**

Duplicated Motif within 125bp	Motif-Tissue score in anterior nervous system genes	Motif-Tissue score in posterior nervous system genes
2xAAAAC	9.73	0.35
2xAATIG	9.27	0.69
2xGATTA	8.27	0.84
2xAAACA	7.77	1.38
2xATTAG	7.01	0.31
2xAAATC	6.81	0.12
2xATTAA	6.76	2.01
2xAATTA	6.73	1.71
2xAAAGC	6.59	1.15
2xAACAA	6.44	2.81