

**Table S3.**

**Top 15 Biological process GO categories affected by loss of HMGN1 during ES cell differentiation along the neuronal pathway.**

<b>Term (Biological Process)</b>	<b>GO</b>	<b>Number of genes affected</b>	<b>Adj P-value</b>
organ morphogenesis	GO:0009887	26	9.9E-06
vasculature development	GO:0001944	17	6.7E-06
tissue development	GO:0009888	25	4.2E-05
development of primary sexual characteristics	GO:0045137	10	3.4E-04
lung development	GO:0030324	10	5.1E-04
bone development	GO:0060348	10	6.8E-04
regulation of cell migration	GO:0030334	9	7.7E-04
positive regulation of cell differentiation	GO:0045597	11	1.8E-03
sensory organ development	GO:0007423	13	2.0E-03
second-messenger-mediated signaling	GO:0019932	9	2.9E-03
odontogenesis of dentine-containing tooth	GO:0042475	6	4.1E-03
neurogenesis	GO:0022008	18	4.9E-03
morphogenesis of an epithelium	GO:0002009	10	5.8E-03
heart morphogenesis	GO:0003007	7	6.5E-03
germ cell migration	GO:0008354	4	7.4E-03