

Supplementary Table S2. Characterization the mapped genes within the genomic region on CFA31.

Transcript	Accession number / transcript variant	Position on CFA31		DNA strand	Protein function or pathway
<i>ROBO1</i>	MK450411	7626080	8593227	+	Axon repulsion, neurogenesis
<i>ROBO1-AS</i>	MK450414 / v.1	8512184	8525182	-	
	MK450415 / v.2	8480852	8525182	-	
	MK450416 / v.3	8453564	8525182	-	
<i>ROBO2</i>	MK450412 / v.1	9418695	10000188	-	Axon repulsion, neurogenesis
	MK450413 / v.2	9418695	10676251	-	
<i>ROBO2-AS</i>	MK450417 / v.1	9715724	10676129	+	
	MK450418 / v.2	9715724	10676129	+	
	MK450419 / v.3	9715724	10676129	+	
<i>RBM11</i>	MN989983	11204346	11217500	+	Tissue-specific splicing factor
<i>HSPA13</i>	MN989982	11367799	11377872	-	Processing of cytosolic and secretory proteins
<i>SAMSN1</i>	MN989984 / v.1	11486386	11533983	-	Putative adaptor and scaffold protein
	MN989985 / v.2	11486386	11623940	-	
<i>NRIP1</i>	ENSCAFT00000012894	11855900	11859397	-	Putative transcriptional repressor or activator
<i>USP25</i>	MN989981	12555707	12691588	+	Deubiquitinating enzyme