

CLONE KT380843.1 RNASEQ	-----GGCCGCCATGGCCGCGG-GATTA ----- CTTCAGTCTCCTCCCTCTGGAGCTACCCGCTCATTCAGAAGCGACTCTGAAGATCA
CLONE KT380843.1 RNASEQ	GTTCCTAGACCATGAAGCTCCAGCTT AT GTGCTACTGGGATCCGTGGTTACGCTCT ----- AT GAAGCTCCAGCTT AT GTGCTACTGGGATCCGTGGTTACGCTCT GTTCCTAGACCATGAAGCTCCAGCTT AT GTGCTACTGGGATCCGTGGTTACGCTCT *****
CLONE KT380843.1 RNASEQ	TGCCTTGCCAAGAACATGCAGAGCTTATCAGCAAGGGTCCGCTCGTCCATGGGTCCG TGCCTTGCCAAGAACATGCAGAGCTTATCAGCAAGGGTCCGCTCGTCCATGGGTCCG TGCCTTGCCAAGAACATGCAGAGCTTATCAGCAAGGGTCCGCTCGTCCATGGGTCCG *****
CLONE KT380843.1 RNASEQ	CAGCTCAGCCCCCTGGACTTCTCCAGCCGCCACCAGCCGAATCAGCAGCACCCCC CAGCTCAGCCCCCTGGACTTCTCCAGCCGCCACCAGCCGAATCAGCAGCACCCCC CAGCTCAGCCCCCTGGACTTCTCCAGCCGCCACCAGCCGAATCAGCAGCACCCCC *****
CLONE KT380843.1 RNASEQ	TGCCTCTCTGCTCCGCATGGAGAAAGAACATTCCTGCGCCTGGCAACCTCAACAAGA TGCCTCTCTGCTCCGCATGGAGAAAGAACATTCCTGCGCCTGGCAACCTCAACAAGA TGCCTCTCTGCTCCGCATGGAGAAAGAACATTCCTGCGCCTGGCAACCTCAACAAGA *****
CLONE KT380843.1 RNASEQ	GCCCCGTTGCTTCCCTCTCCCTTGCTCTCGTCTCTCCCTCTCCCTCCCCCTGGAA GCCCCGTTGCTTCCCTCTCCCTTGCTCTCGTCTCTCCCTCTCCCTCCCCCTGGAA GCCCCGTTGCTTCCCTCTCCCTTGCTCTCGTCTCTCCCTCTCCCTCCCCCTGGAA *****
CLONE KT380843.1 RNASEQ	GCAACCCTAGTAGCCCCCTCTCCCCGAGGTCTCCGTCCAACCTTTCCGGGGGCAG GCAACCCTAGTAGCCCCCTCTCCCCGAGGTCTCCGTCCAACCTTTCCGGGGGCAG GCAACCCTAGTAGCCCCCTCTCCCCGAGGTCTCCGTCCAACCTTTCCGGGGGCAG *****
CLONE KT380843.1 RNASEQ	TCCAAAGGCTCAAACACCTGCAACTCCCGAGGTTCCCTAGACAGTCAGGCAGGTCTAG TCCAAAGGCTCAAACACCTGCAACTCCCGAGGTTCCCTAGACAGTCAGGCAGGTCTAG TCCAAAGGCTCAAACACCTGCAACTCCCGAGGTTCCCTAGACAGTCAGGCAGGTCTAG *****
CLONE KT380843.1 RNASEQ	GGGAGGGAGGAGCTGAGACTACCTACGGAGAGCAGCGGGAGGCATGGAGAGGGAGAAC GGGAGGGAGGAGCTGAGACTACCTACGGAGAGCAGCGGGAGGCATGGAGAGGGAGAAC GGGAGGGAGGAGCTGAGACTACCTACGGAGAGCAGCGGGAGGCATGGAGAGGGAGAAC *****
CLONE KT380843.1 RNASEQ	GATCGGAAGAACCTCCCATCTCTAGATCTGACTTTCCATCTCCCGAGAAGTCTTAG GATCGGAAGAACCTCCCATCTCTAGATCTGACTTTCCATCTCCCGAGAAGTCTTAG GATCGGAAGAACCTCCCATCTCTAGATCTGACTTTCCATCTCCCGAGAAGTCTTAG *****
CLONE KT380843.1 RNASEQ	AAATGGCCGGGCCAACAGTTAGCTCAGCAAGCTCACAGAACAGGAATTGATGGAGA AAATGGCCGGGCCAACAGTTAGCTCAGCAAGCTCACAGAACAGGAATTGATGGAGA AAATGGCCGGGCCAACAGTTAGCTCAGCAAGCTCACAGAACAGGAATTGATGGAGA *****
CLONE KT380843.1 RNASEQ	TTATTGGAAAGTGGAGACATCCGTTTAATCACTA TTATTGGAAAGTGA----- TTATTGGAAAGTGGAGACATCCGTTTGCCAAAG *****

Fig. S1. Cloning and verification of dunnart gene Corticotropin-releasing hormone (*Crh*)

Green indicates a single synonymous nucleotide observed in the RNA-seq and clone sequences relative to the GenBank sequence KT380843.1. Magenta highlight indicates the predicted start and stop codons.

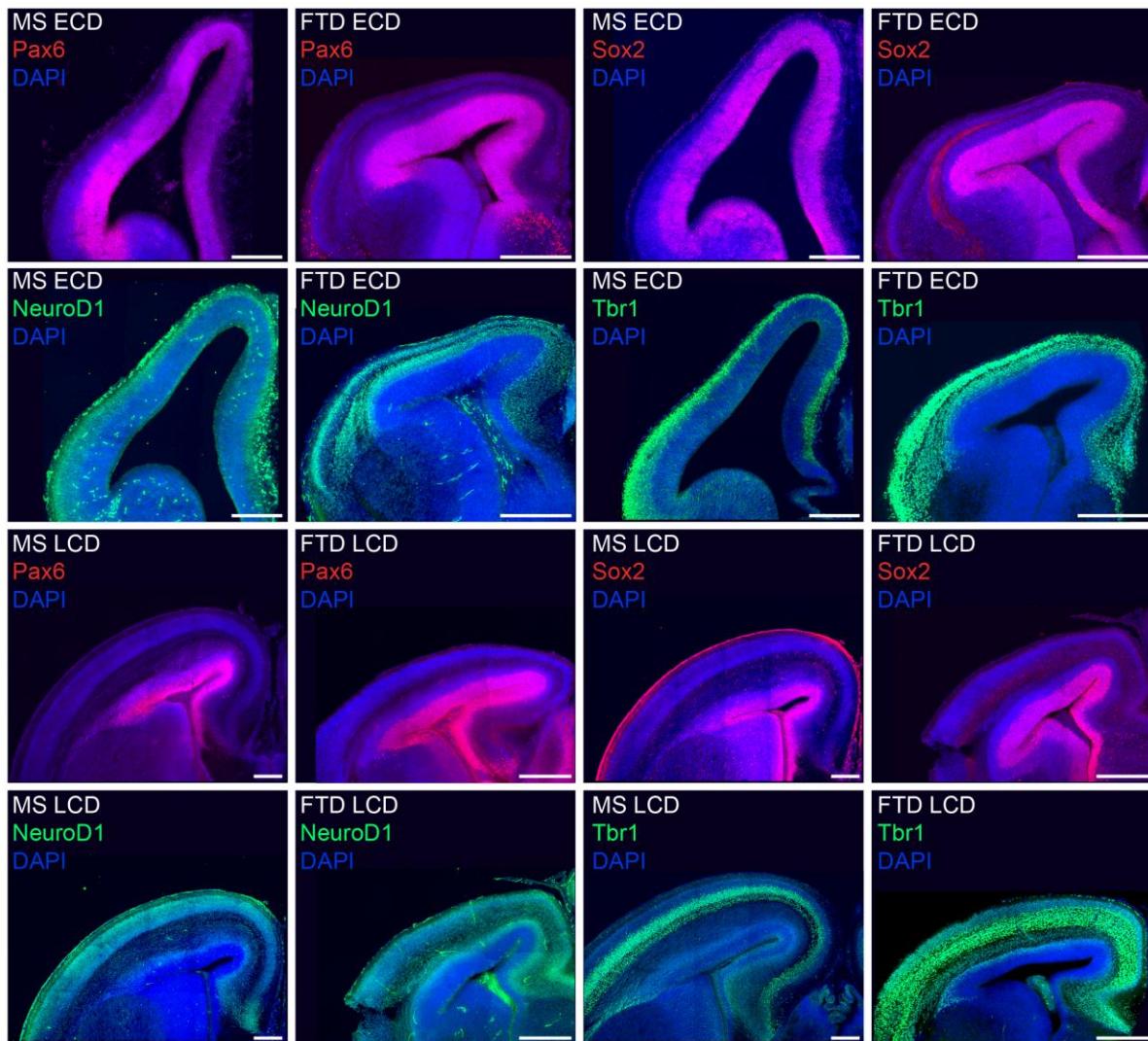


Fig. S2. Whole cortical hemispheres of immunohistochemical labelling of known markers of progenitor and neuronal populations

Antibodies, ages and sections directly correspond to insets and quantification from Fig. 4. ECD: early cortical development; FTD: Fat-tailed dunnart; LCD: late cortical development; Ms: Mouse. Scale bars: 250 μ m.

Table S1. Antibodies

[Click here to download Table S1](#)

Table S2. RNA-seq statistics of dunnart replicate samples

[Click here to download Table S2](#)

Table S3. Trinity-assembled dunnarts transcripts with open reading frames

[Click here to download Table S3](#)

Table S4. FPKM values and expression rankings for mouse-dunnart orthologue transcripts

[Click here to download Table S4](#)

Table S5. Alignment of dunnart Trinity-assembled transcriptome to mouse GRCM38 ncRNA database

[Click here to download Table S5](#)

Table S6. Differential expression across developmental stages

[Click here to download Table S6](#)

Table S7. Gene ontology enrichment across developmental stages and species

[Click here to download Table S7](#)

Table S8. Top 30% reciprocally ranked genes across species

[Click here to download Table S8](#)