

Sequence and transcriptome Reference



ImmGen is currently using the GRCm38 - mm10 genome assembly to map RNAseq data.

Older datasets were remapped in mid-2020 (datasets deposited under GSE109125, GSE122108 and GSE122597). updating the gene/transcript reference framework used to map and assign RNAseq data. This update applied to data displayed on the "RNAseq Skyline", "Population Comparison (RNASeq)" and "MyGeneSet" databrowser pages.

Please be aware of small discrepancies that may occur while comparing to previously downloaded data or figures. Changes are minimal for most genes, but M25 differs from the previously used M16 by introducing around 2400 new genes and 8000 new transcripts (for a total of 55401 total genes, of which 21859 are recognized as protein-coding). Many of the new *loci* are microRNA precursors, others correspond to better distinguished members of gene families. "Newcomers" include *Vps28*, *Tmem179b*, and *Itiprip* (primarily expressed in Mast cells, Macrophages and Granulocytes, respectively).

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