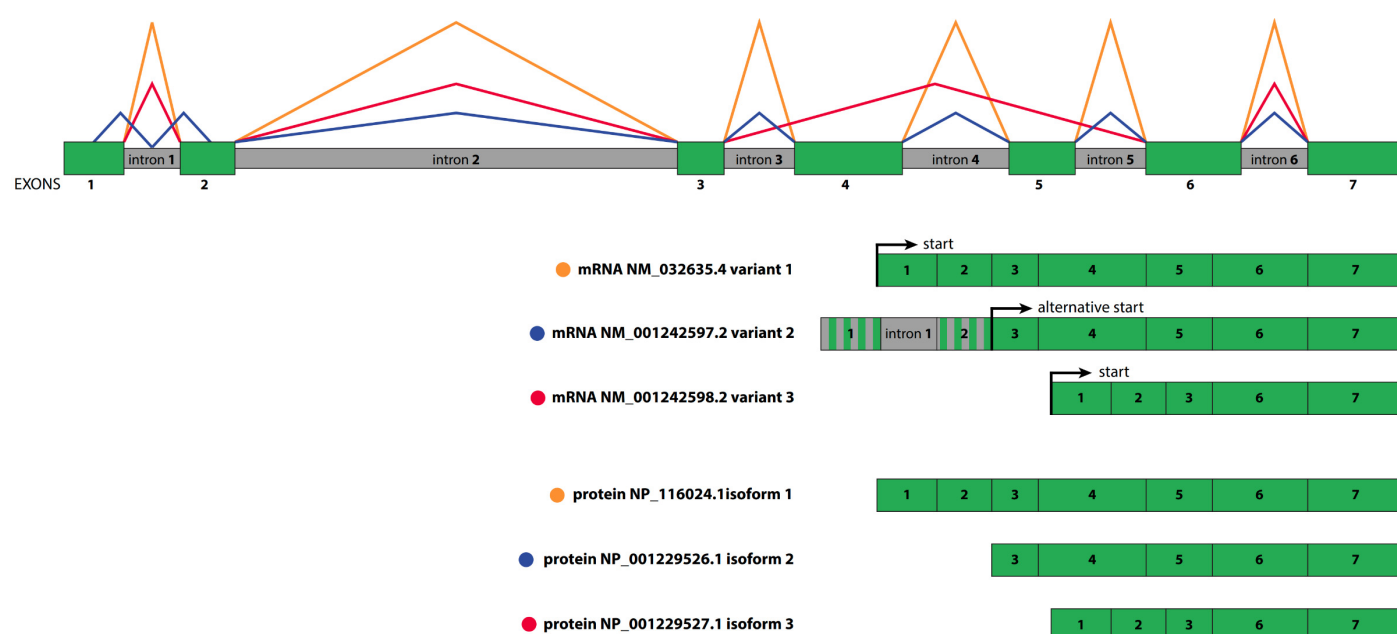


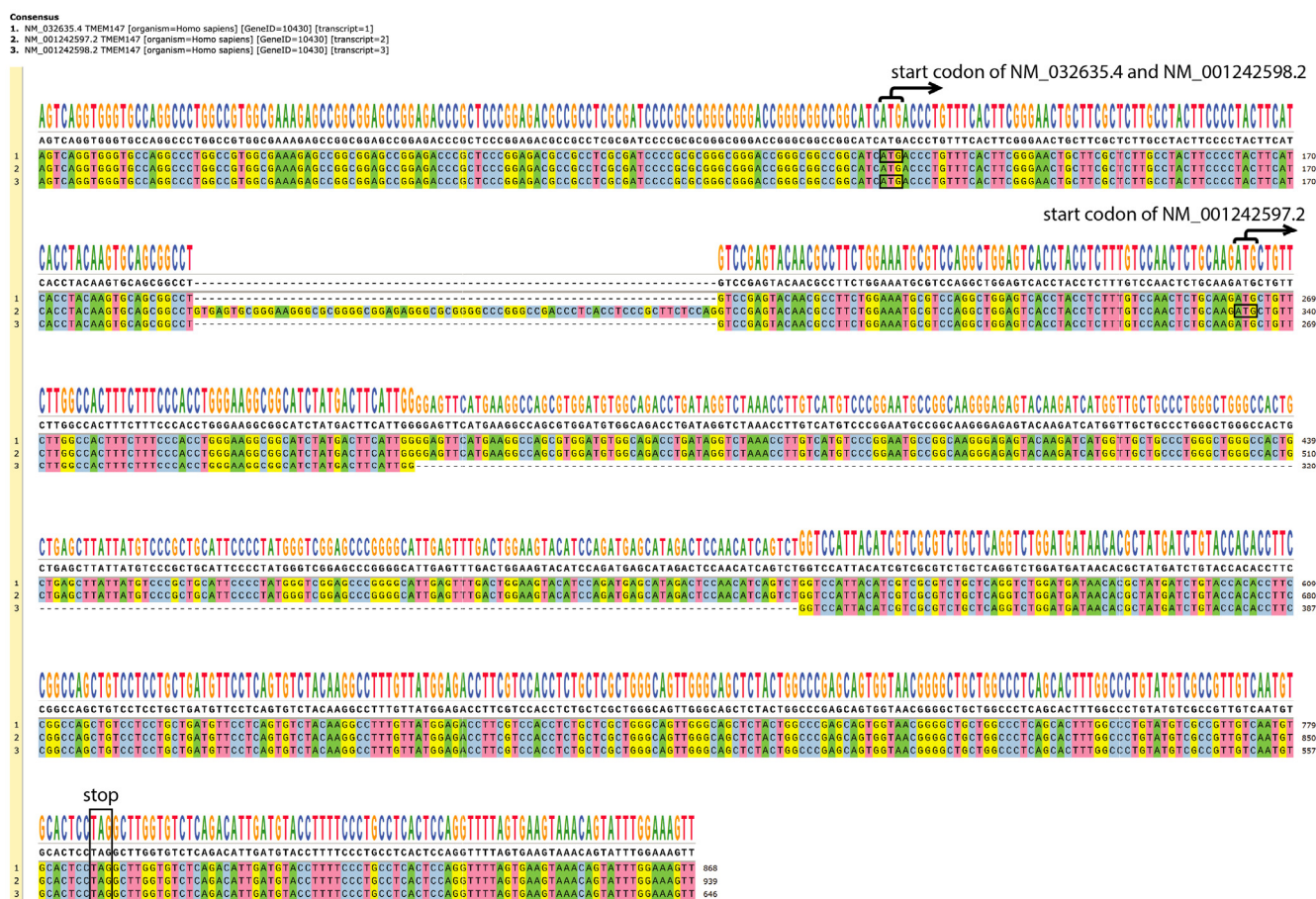


Regulation of ER Composition and Extent, and Putative Action in Protein Networks by ER/NE protein TMEM147

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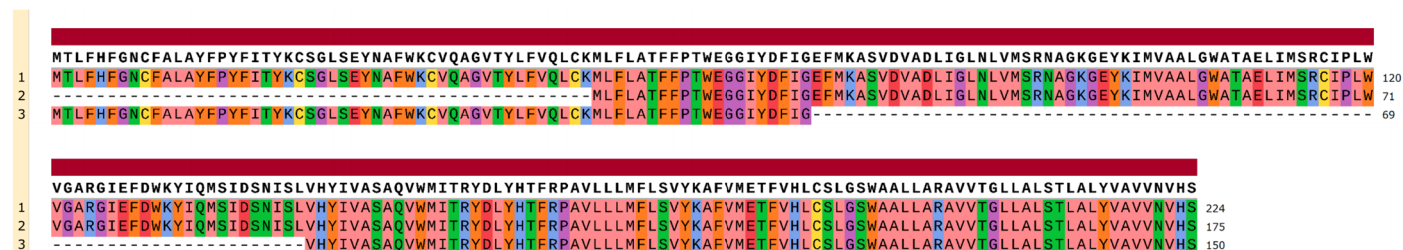
Supplementary Figure S1. The three main splice variants and isoforms of human TMEM147. Color codes (bright green, blue and red) indicate correspondence of splice events, transcripts and proteins.



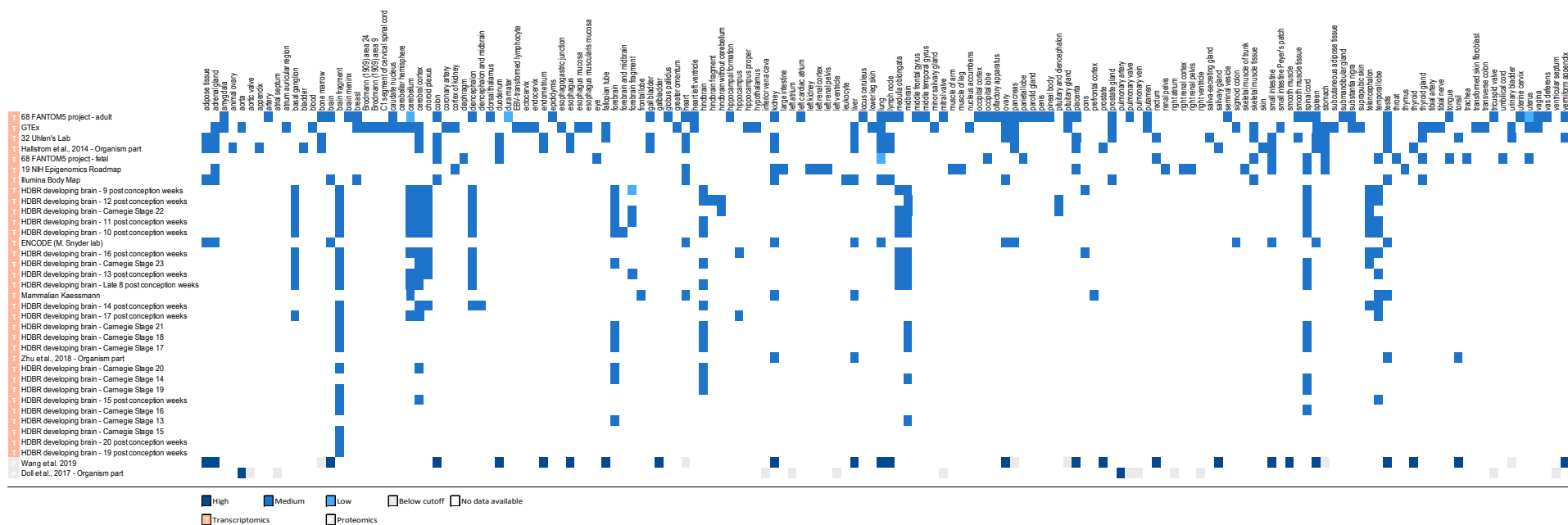
Supplementary Figure S2. Alignment of RefSeq cDNA sequences for the three main TMEM splice variants

Consensus

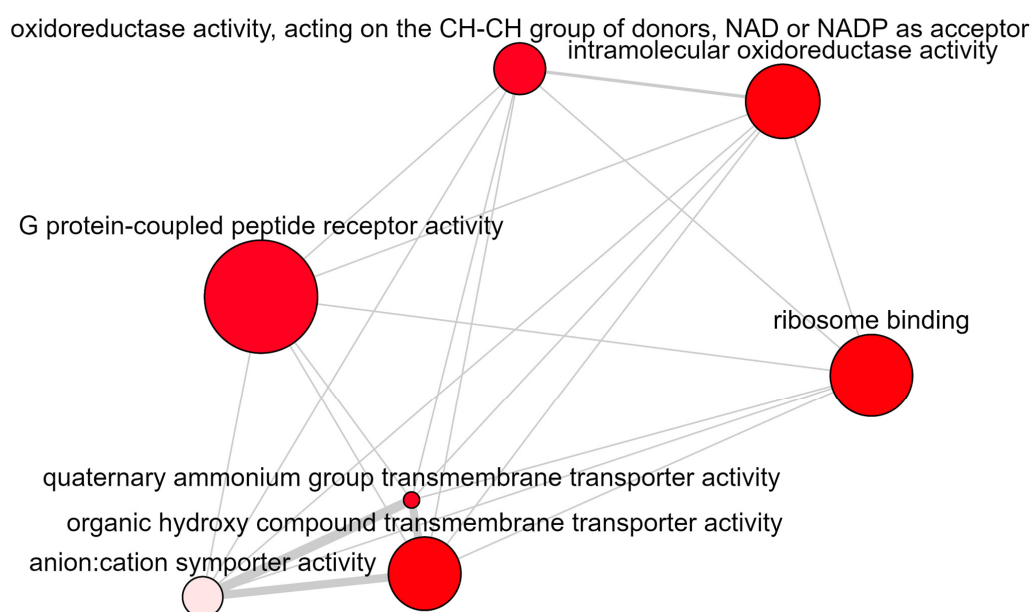
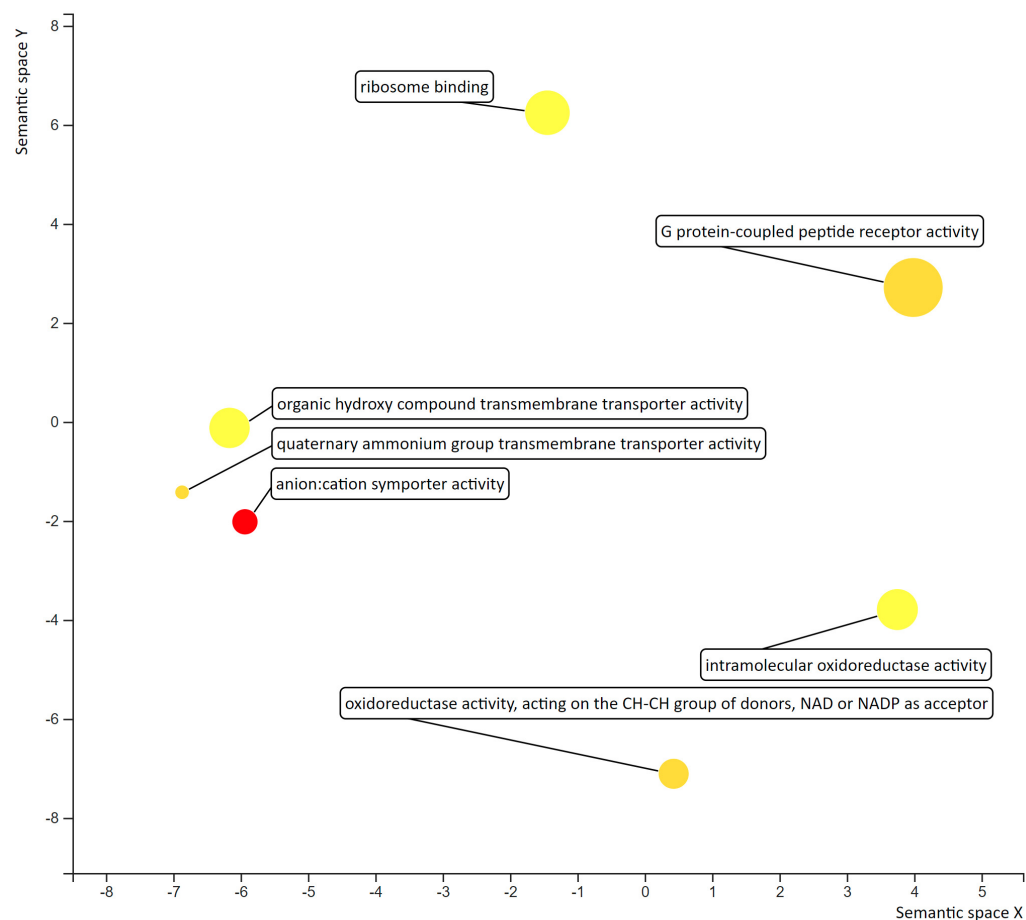
1. NP_116024.1 TMEM147 [organism=Homo sapiens] [GeneID=10430] [isoform=1]
2. NP_001229526.1 TMEM147 [organism=Homo sapiens] [GeneID=10430] [isoform=2]
3. NP_001229527.1 TMEM147 [organism=Homo sapiens] [GeneID=10430] [isoform=3]



Supplementary Figure S3. Alignment of RefSeq protein sequences for the three main TMEM147 protein isoforms.



Supplementary Figure S4. Transcript and protein expression of TMEM147 across all isoforms. Expression data as extracted from https://www.ensembl.org/Homo_sapi-ens/Gene/ExpressionAtlas?db=core;g=ENSG00000105677;r=19:35545600-35547526 (28 August 2021) and reformatted in Microsoft Excel.



Supplementary Figure S5. Alternative simplified display of TMEM147-associated GO terms. In addition to TreeMaps, REVIGO provides a Scatterplot (top panel) and an Interactive Map (bottom panel) of terms. The Interactive Map is arranged for legibility and proximity of related terms, i.e. those with identical color code in the corresponding TreeMap.