

UTR sequences

Human
(35,999)

Mouse
(28,694)



Slide and fold

RNA structures in UTRs

Human
(575,410)

Mouse
(445,106)



10,667 orthologs

**Comparison between
orthologous genes**

**Human structures conserved in
mouse (6,345)**



All-against-all comparison

**Structures with similarity to ≥ 3
other structures (2,054)**



Cluster analysis

57,904 groups, 2,054 structures



**GO analysis
+
CoV filtering**

214 groups, 1,125 structures



Remove redundant groups

90 groups, 748 structures

**Cross-validation with mouse structures to
identify highly conserved structure groups**