

## Figure 7-figure supplement 2

**A**

uORF (HR:NM\_005144:chr8:-:344:448) Ka/Ks=0.070

Human MAQPTASAQKLVRPIRAVCRILQIPESDPSNLRP

Mouse MAQPTALAQKLVRPIRAVCRILQIPESDPSNLRP

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**B**

uORF (SLC35A4:NM\_080670:chr5:+:9:320) Ka/Ks=0.122

Human MADDKDSLPLKDLAFLKNQLESQRREDEVNSGVGQDGSLLSPFLKGFLA

Mouse MADDKDSLPLKDLTFLKNQLERLQQRVEGEVNSGVGQDGSLLSPFFKGFLA

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GYVAKLRASAVLGFVGTCTGIYAAQAYAVPNVEKTLRDYLQLLRKGPD

GYVAKLRASAVLGFVGTCTGIYAAQAYAVPNVEKALKNYFRSLRKGPD

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**C**

uORF (FAM220A:NM\_001037163:chr7:-:201:407) Ka/Ks=0.246

Human MAAALSGLAVRLSRSAARSYGVFCKGLTRTLLIFFDLAWRLRINFPYLYIVASMMMLNVRLQVHIEIH

Mouse MATAALSGLAVRLSRSAARSYGVFCKGLTRTLLIFFDLAWRLRINFPYLYIVASMMMLNVRLQVVVEEE

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**D**

uORF (MKKS:NM\_018848:chr20:-:263:454) Ka/Ks=0.268

Human MSLRNLWRDYKVLVVMVPLVGLIHLGWYRIKSSPVFQIPKNDDIPEQDSLGLSNLQKSQIQGK

Mouse MSFQNLWREYKVLVVMVPLIGFIHLGWHRKSSPVFQVPK-DDTTELDLGLASPPKSQT---

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**E**

uORF (CHST2:NM\_004267:chr3:+:787:939) Ka/Ks=0.306

Human MGEPALGAGDQ---PPRPPRSRGPSPGASSQPAASPSRAAGLPPPPRRRPGCLCL

Mouse MGEPALGAGDQQLPPRPPRIGGPSPGARSRPAASPSWAAGPPPPRRRPRCLCL

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**F**

uORF (R3HDM1:NM\_015361:chr2:+:195:347) Ka/Ks=0.340

Human MGLLLPDYRWFTTVDILADNCEKEPWILFYFCGTPQSQIQRTHQASSSL

Mouse MGLLPDYCWFNFTDILADNCEEPWVILFYFCGTPQSQIHRTHQASSSL

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**G**

uORF (DDR2:NM\_001014796:chr1:+:222:356) Ka/Ks=0.403

Human LGFSALESSKVCGLNYSKEAEIIEEKQRPVAFEDPAPQRMLCTR

Mouse LTFGALEHSKACCLT-SKEAEIIEERGSPSVSKDSVLQRMFCTL

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