**Data S3. Primer sequences for RT-PCR validations**

NM\_001205370.1

Casc4 Sequence (5'->3') Template strand Length

>Casc4F CTTGGATCGGGAACCCAGAA Plus 20

>Casc4R ATCACTGAAGCGCTGTTTGC Minus 20

NM\_001205226.1

Cnot1 Sequence (5'->3') Template strand Length

>Cnot1F AGCATTCTCTGCGTTTGTTGG Plus 21

>Cnot1R ATCATGGTAGGGTTAGCCGC Minus 20

NM\_057172.3

Fubp1 Sequence (5'->3') Template strand Length

>Fubp1F GGGGGTGATGCTGGTACATC Plus 20

>Fubp1R TGGGGAGGTACTTTCTTAGCATC Minus 23

NM\_001039129.4

Hnrnpa1 Sequence (5'->3') Template strand Length

>Hnrnpa1F AGTAGCTATGGCAGTGGCAGG Plus 21

>Hnrnpa1R TCTGTTGTAACCTGTAGCTTCCC Minus 23

Hnrnpa1 Sequence (5'->3') Template strand Length

>Hnrnpa1F AGTAGCTATGGCAGTGGCAGG Plus 21

>Hnrnpa1R1 TGGCCCAGAATAAAGGCTGC Minus 20

NM\_001293636.1

Ktn1 Sequence (5'->3') Template strand Length

>Ktn1F GCGAAGTGTGGAGCAAGAAG Plus 20

>Ktn1R TCACGTAAGTCGATCGCTCC Minus 20

NM\_026420.2

Paip2 Sequence (5'->3') Template strand Length

>Paip2F GATTCGTTGGCTACCGTCCC Plus 20

>Paip2R ATGCTTGGGCTAGTACTGCTG Minus 21

NM\_018814.3

Pcnx Sequence (5'->3') Template strand Length

>PcnxF CCAAGCCAGGTTGCATTTCC Plus 20

>PcnxR CGTCTCATAGAGGGTGGACG Minus 20

uc009grj.1

Ptov Sequence (5'->3') Template strand Length

>PtovF CACAGTCCCAGACGAGGC Plus 18

>PtovR AACATACAGGGGCAAGGACC Minus 20

NM\_144948.5

RbmF Sequence (5'->3') Template strand Length

>Rbm7F GGTAACCTGGAGACGAAGGTG Plus 21

>Rbm7R AAGTTCACGAATGCAAACTGC Minus 21

NM\_009159.2

Srsf5 Sequence (5'->3') Template strand Length

>Srsf5F ACAGCTCCGTCGCAGACTA Plus 19

>Srsf5R TGAACACTCGACAGCCACTC Minus 20

NM\_001122730.2

Tnrc18 Sequence (5'->3') Template strand Length

>Tnrc18F TTGGTCAAGCTCCAGAGACG Plus 20

>Tnrc18R GATGAGGAGTCGTGATCGTCC Minus 21