

Table 1 supporting information Rauschendorf et al.

List of oligonucleotides used as primer sets for the three RT-PCR assays described in this paper.

The list is subdivided according to the three PCR assays which we designed for analysis of the distinct proximal and distal 5'UTR sequence extensions of the human *DDX3Y* transcripts. All forward primers (marked by appendix "for") were designed in and upstream of their 5'UTR sequences proposed by the 5'RACE experiments. The common reverse primer (marked by appendix "rev") in each PCR assay is bridging exon-2-3 to ensure the amplification of only the cDNAs of *DDX3Y* transcription products. Its location is given by its end position in exon-3. Besides the start positions of all forward primers in the BAC clone sequence, their positions in the current Y reference sequence (NC_000024; GRCh37) are given as well. In the last column, presence (+) of the amplification product indicates that the forward primer used is proximal to the TSS analysed; absence (-) of the amplification product indicates that the forward primer used is distal of the TSS and therefore not present in the 5'UTR sequence of the analysed *DDX3Y* transcript.

Common TSS-I 5'UTR extension assay	primer sequence	BAC RP11-47511 seq. start position	Y reference NC_000024 seq. start position	RT-PCR assay "+" = present; "- " = absent
1261for	TCATGTGGTGGTGAAAAATGAC	55150	15.016.853	+
2067for	CATATTACCGCGTAGGCTAA	55031	15.016.733	+
2405for*	TAGGGAGAAGTAACGGTAGC	54925	15.016.627	-
2389for	CTACGTAATCCCGCGATCTTATG	54885	15.016.587	-
reverse primer				
1286rev		59572	15.021.274	

* this RT-PCR reaction was only positive for the testis RNA sample

MSY-repeat start assay	primer sequence	BAC RP11-47511 seq. start position	Y reference NC_000024 seq. start position	RT-PCR assay "+" = present; "- " = absent
MARP1for	CTGGCTTTGGGGACGTAGTA	53798	15.015.501	-
MARP2for	AAAACAAGGGACCTATGCCAG	53854 + 53955	15.015.556 15.015.657	-
MARP3for	TCACTATGCCAGGGTGCCTTAA	54063 + 54162	15.015.765 15.015.864	+
reverse primer				
MARP4rev		55187	15.016.889	

MSY2- 5'UTR proximal extension assay	primer sequence	BAC RP11-47511 seq. start position	Y reference NC_000024 seq. start position	RT-PCR assay "+" = present; "- " = absent
1726for	CTGTGATGCTAAAGCCGATGAC	54263	15.015.965	+
1313for	TCAAGTCTGTGCGAGCCTCTG	54362	15.016.064	+
1394for	CGTAACCCCTTATCTATCTTGG	54554	15.016.256	+
2389for	CTACGTAATCCCGCGATCTTATG	54885	15.016.587	-
reverse primer				
1286rev	CCTTTGCTCGCTGTACTIONG	59572	15.021.274	

