

Supplementary Table 4 - Analyzing transcription of chimpanzee X-degenerate genes:
RT-PCR primers and expected product sizes

Gene	Forward primer	Reverse primer	Product sizes (bp) (cDNA / genomic)
<i>Cyorf15A</i>	TTGATGCAAGCCCTAACAC	TGCATTTACAATATGGAGTTGC	358 / 828
<i>Cyorf15B</i>	AGGAAACGAAAAGCTGACA	CCATCAGTACAATGATCACACTTC	461
<i>DDX3Y</i>	ATCGTATTGGCCGTACAGGA	GCTTCTTAAAGGTAAGGGTGACTT	499 / 1557
<i>EIF1AY</i>	CCCACCTGCTGCATCTTAGT	TTCTTAATTGATGATGGCCAAA	605
<i>JARID1D</i>	CTTAGCATTAAAGGCCCGAC	TGGTTGGCTCCAGACTGAA	537
<i>NLGN4Y</i>	GCAAGGCGAGTTCCTCAAT	GGCCACTTCTTGAAAGCGA	601
<i>PRKY</i>	CTACCGCCTGCAGGACTTC	CCCAAAGTCCGTGAGCTTG	448
<i>RPS4Y1</i>	GATGTCATCAGCATCGAGAAG	GAAAAAAGATATGCTGCTACTGC	558
<i>RPS4Y2</i>	AACAAGAATTCATTGTTTATTTGTGC	GCAAGGTTCCGAGTGGACA	628
<i>SRY</i>	ATGAACGCATTCTTCGTGTG	GGCCTTTATTAGCCAGAGAAAA	548
<i>TBL1Y</i>	ATAATCACTGAAAGCCAATGGAA	TTATTACTTGGGACGTCGTGC	250
<i>TMSB4Y</i>	GTCCCCTGCGTTTTGAAATA	GCCTGTTAAGATTCGCCTG	358 / 1110
<i>USP9Y</i>	TGGGCAGTGGAATGGCTA	AGAGGCAGGTGAATGAGGATAT	268 / 1024
<i>UTY</i>	GAACACAACACAAAGATCATTCA	CATGCCCAGAATGGTATGC	227 / 796
<i>ZFY</i>	GAAGAGGCAGATGTATCTGAAAAT	CCATTTCTGATTCTGCATCG	451

All primer pairs are intron-spanning, with the exception of *SRY*, which lacks introns. For those genes whose cDNA and genomic product sizes differed by roughly 1000 bp or less, both sizes are given.