

Supplementary Table 4 - Pseudogenes on the chimpanzee MSY

Functional gene name	Symbol	Chrom. of origin	Copy # on Y	Processed?	Sequence class
actin, gamma 1	ACTG1	17	5	yes	ampliconic
adhesion protein with leucine-rich repeats	ADLICAN	X	1	no	X-degenerate
apical protein-like	APXL	X	1	no	X-degenerate
arylsulfatase D	ARSD	X	1	no	X-degenerate
arylsulfatase E	ARSE	X	1	no	X-degenerate
arylsulfatase F	ARSF	X	1	no	X-degenerate
basic charged, Y-linked	BPY2	Y	1	no	ampliconic
BCL6 co-repressor	BCoR	X	1	no	X-degenerate
calcium/calmodulin-depend. serine protein kinase	CASK	X	1	no	X-degenerate
cell division cycle 27	CDC27	17	5	yes	ampliconic
chromodomain protein, Y-like	CDYL	6	1	yes	X-degenerate
chromodomain protein, Y-linked	CDY	Y	11	no	ampliconic
chromosome X open reading frame 15	CXorf15	X	1	no	X-degenerate
CTD small phosphatase 2	CTDSP2	12	6	yes	ampliconic
C-terminal binding protein 2	CTBP2	10	6	yes	ampliconic
cytochrome b	MT-CYB	MT	16	yes	ampliconic
cytochrome c, somatic	CYCS	7	1	yes	X-degenerate
double homeobox 4c	DUX4C	4	7	yes	ampliconic
family with sequence similarity 8, member A1	FAM8A1	6	1	yes	X-degenerate
family with sequence similarity 92, member A1	FAM92A1	8	1	yes	X-degenerate
glutamate dehydrogenase 1	GLUD1	10	3	yes	ampliconic
glutamic-oxaloacetic transaminase 2	GOT2	16	1	yes	X-degenerate
glyceraldehyde 3-phosphate dehydrogenase	GAPDH	12	2	yes	X-degenerate
glycogenin 2	GYG2	X	1	no	X-degenerate
heat shock transcription factor, Y-linked	HSFY	Y	10	no	all
hypothetical protein LOC349114	LOC349114	7	1	no	other
immunoglobulin kappa constant	IGKC	2	1	yes	other
Kallmann syndrome 1 sequence	KAL	X	1	no	X-degenerate
keratin 8	KRT8	12	6	yes	ampliconic
NADH dehydrogenase 1	MT-ND1	MT	16	yes	ampliconic
neurofilament, light polypeptide 68kDa	NEFL	8	1	yes	X-degenerate
nucleosome assembly protein 1-like 1	NAP1L1	12	1	yes	X-degenerate
oral-facial-digital syndrome 1	OFD1	X	14	no	ampl / other
osteoarthritis QTL 1	OA1	X	1	no	X-degenerate
proteasome subunit, alpha type, 6	PSMA6	14	1	yes	X-degenerate
PTPN13-like, Y-linked	PRY	Y	9	no	ampliconic
RAB9A, member RAS oncogene family	RAB9A	X	10	yes	ampliconic
regulator of chromosome condensation 1	RCC1	1	1	yes	other
ribosomal protein S24	RPS24	10	2	no	ampliconic
RNA binding motif protein, Y-linked	RBMV	Y	32	no	ampliconic
similar to oocyte secreted protein 1 [M. mulatta]	LOC698403	11	6	yes	ampliconic
similar to Y40C5A.3 [Mus musculus]	LOC677289	?	1	no	other
steroid sulfatase (microsomal), arylsulfatase C	STS	X	1	no	X-degenerate
TAF9 RNA polymerase II	TAF9	5	7	yes	ampliconic
testis specific protein, Y-linked	TSPY	Y	21	no	ampliconic

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thymosin, beta 4, X-linked	TMSB4X	X	1	no	X-degenerate
trafficking protein particle complex 2	TRAPPC2	X	4	no	ampliconic
transcription elongation factor B (SIII), polypeptide 1	TCEB1	8	4	yes	ampliconic
transducin (beta)-like 1 X-linked	TBL1X	X	1	no	X-degenerate
tripartite motif-containing 60	TRIM60	4	14	no	ampliconic
troponin T3, skeletal, fast	TNNT3	11	1	no	other
tubulin, beta 8	TUBB8	10	4	no	ampliconic
ubiquitin specific peptidase 9, X-linked	USP9X	X	1	no	X-degenerate
XG blood group	XG	X	1	no	X-degenerate
XK, Kell blood group complex subunit-related family 3	XKR3	22	1	no	other
XK, Kell blood group complex subunit-related, Y-linked	XKRY	Y	10	no	ampliconic