

Supplemental Table 3: Ambiguous tags.

Tag sequence	Tag count	Gene symbol 1	Other gene symbols
AGCTCCCCGTGCCACAT	35	RPL17	TLX3
GCGGCGGCGGCGGCGGC	12	OTP	PEX16 SARS, TBX3, WDR3
AAGCTGGATGAGGGGAA	9	EIF3D	FOXRED2
CCACTAATGGAGAAAGG	8	B-LA	SUMO1
AAGAAGGGAGAGGAAAC	4	CCDC104	SMEK2
GCCGTGCTGGAGCCCCT	4	QARS	QRICH1
TCACCTGCGGAAACCCT	4	TUBA5	TUBA7
TTGATGCACAAAGGCCA	4	ABI1	SREBF2
CTGGCTCCCTTCTCCC	3	SRRD	TFIP11
GAGACGTCGGCCAAGAC	3	HBA2	RAP2C
GCTCTGTTGTACTACTGG	3	PSMD7	WWP2
GTAAAATAGGGAGCCC	3	CCDC13	HIGD1A
GTAAATTACTTTTGACT	3	MED31	TXNDC17
GTTGAAGTCAATCCACT	3	ARG2	VTI1B
AAAGTATGGATTCTCCC	2	DNAJC17	OR8U1
ACTCAGCCTTCCCTCTC	2	ASB3	NPHP1
CTGAGTGTGGAGCGGGG	2	ATP5L	UBE4A
TTTGCAACTGCTTTGGA	2	E2F4	TMEM208
AAACTGTACAGACATTC	1	PDHB	PXK
AGCTGCCTGGCAGAGGC	1	AAMP	ARPC2
CACACTGATGTCCTGGN	1	SRR	TSR1
CCATTAGCAGTGCCTGT	1	AGPAT2	EGFL7
CCTGTGAGACAGCCGAG	1	GON4L	MSTO1
CTGCTGCTGCTCCTGCT	1	VEZF1	ZBTB20
CTTGCAACTGCTTTGGA	1	E2F4	TMEM208
GAAACATACAACAGACC	1	CBLB	DOCK5
GAAGCAAAGAACAGGGG	1	C1ORF26	IVNS1ABP
GACTTGGCCATCAAACC	1	ATAD1	PAPSS2
GAGAGCAACAAAAGCCT	1	ATP6V1C2	PDIA6
GAGGACTACTTCGCCTA	1	BRG1	SMARCA4
GCACAGAGCGACCCCCC	1	NPEPPS	SPCS2
GCACGNGTCGAGCTGTT	1	PRPS1	SMEK2
GCCCCAGTGCCAGGG	1	NUP210L	TPM3
GCCCTGCTCCAGCGCCA	1	SRRD	TFIP11
GCGGCGGCGGCGGCGAC	1	SETD7	SPAST
GGAGATGGTGAGAAATC	1	GPR89A	PDZK1
GGATGACCAGTGCAAAG	1	GTF3A	MTIF3
GGCTCAGAGGCAGGTCT	1	CBFA2T3	PABPN1
GGCTGAAAAGAGAGGAA	1	MRPL33	RBKS

GGCTTTCAGACCCTTGG	1	CCDC13	HIGD1A
GTATTGGAGTATGAGAA	1	ATP6V0C	TBC1D24
GTTGCAGACAAAAGAG	1	SAV1	SPG3A
GTTTTGTCAGTTGATAC	1	ISCA1	ZCCHC6
TAATAAAGCGTGTGAT	1	GRSF1	RUFY3
TAGAGTGTTTTGATACT	1	NUP210L	TPM3
TATAACAACGTTTTCT	1	ATP1B3	FKBP3
TATCTGAGCAACCACAC	1	ATG4A	COL4A6
TCCCCCCTTTGGTGGA	1	HMX1	SYNJ1
TCGAGTGTTCTGATACT	1	NUP210L	TPM3
TCGAGTGTTTNGATACT	1	NUP210L	TPM3
TCTTGTGTATCAGTGTC	1	ATP6V1C2	PDIA6
TGCAAATGTGCCTTGAA	1	GRSF1	RUFY3
TTAGCCCCAAAGTGCCT	1	ATG4A	COL4A6