

bDDX3Y-L	TCATTCAAGAGAGTTTGTTCCTCGGTAGACCAACCTGTGAGCCGGTTC	60
bDDX3Y-S	TCATTCAAGAGAGTTTGTTCCTCGGTAGACCAACCTGTGAGCCGGTTC	60
bDDX3Y-L	TTCAAATACTGATACGCTAGACAAGCCATTGAGACAGAGTTCGCGCCTTTCTTCAGGCC	120
bDDX3Y-S	TTCAAATACTGATACGCTAGACAAGCCATTGAGACAGAGTTCGCGCCTTTCTTCAGGCC	120
	M	
bDDX3Y-L	TGAGTCATGAGGCGGTGAAAAACGTGCAGGAGGTGGATCAGCAGTTGGCTGATCTAAACC	180
bDDX3Y-S	TGAGTCATGAGGCGGTGAAAAACGTGCAGGAGGTGGATCAGCAGTTGGCTGATCTAAACC	180
	S H E A V K N V Q E V D Q Q L A D L N L	
bDDX3Y-L	TGAACTCTGATAATAATCAGAGTGGAGGAGGAAGTACAGCTAGCAAAGGGCGCTATATAC	240
bDDX3Y-S	TGAACTCTGATAATAATCAGAGTGGAGGAGGAAGTACAGCTAGCAAAGGGCGCTATATAC	240
	N S D N N Q S G G G S T A S K G R Y I P	
bDDX3Y-L	CACCTCACTTAAGGAATAGGGAAGCATCTAAAGGATTTTATGGTAAAGGCAGTTCAGGGT	300
bDDX3Y-S	CACCTCACTTAAGGAATAGGGAAGCATCTAAAGGATTTTATGGTAAAGGCAGTTCAGGGT	300
	P H L R N R E A S K G F Y G K G S S G W	
bDDX3Y-L	GGAGTTGTAGTAAAGAAAAGGATGCCTACAGCAGTTTTGGATCTCGAGATTCAAGAGGAA	360
bDDX3Y-S	GGAGTTGTAGTAAAGAAAAGGATGCCTACAGCAGTTTTGGATCTCGAGATTCAAGAGGAA	360
	S C S K E K D A Y S S F G S R D S R G R	
bDDX3Y-L	GACCCAGTTACTTCAGTGATCGAGGAAGTGGATCAAGGGGAAGGTTTGATGATCGTGGGC	420
bDDX3Y-S	GACCCAGTTACTTCAGTGATCGAGGAAGTGGATCAAGGGGAAGGTTTGATGATCGTGGGC	420
	P S Y F S D R G S G S R G R F D D R G R	
bDDX3Y-L	GGAAATGAGTGTGAAGGTTTTGGCAGTCGTGGTGACAGAACTGGCTTTGGCAGATTTGAGC	480
bDDX3Y-S	GGAAATGAGTGTGAAGGTTTTGGCAGTCGTGGTGACAGAACTGGCTTTGGCAGATTTGAGC	480
	N E C E G F G S R G D R T G F G R F E R	
bDDX3Y-L	GTAGTGACACAGTCGTTGGTGTGACAAGTCAGATGATGATGACTGGTCAAACCGCTTC	540
bDDX3Y-S	GTAGTGACACAGTCGTTGGTGTGACAAGTCAGATGATGATGACTGGTCAAACCGCTTC	540
	S G H S R W C D K S D D D D W S K P L P	
bDDX3Y-L	CACCAAGTGAACGCTTGGAGCAGGAGCTCTTTTCTGGAGGAAACACTGGGATTAACTTTG	600
bDDX3Y-S	CACCAAGTGAACGCTTGGAGCAGGAGCTCTTTTCTGGAGGAAACACTGGGATTAACTTTG	600
	P S E R L E Q E L F S G G N T G I N F E	
bDDX3Y-L	AGAAATATGATGATATACCACTAGAGGTAACCGGCAATAACTGTCCTCCGCACATTGAAA	660
bDDX3Y-S	AGAAATATGATGATATACCACTAGAGGTAACCGGCAATAACTGTCCTCCGCACATTGAAA	660
	K Y D D I P V E V T G N N C P P H I E S	
bDDX3Y-L	GTTTCAGCGATGTTGCAATGGGAGAAATTATTATGGGAAACATTGAGCTTACTCGTTACA	720
bDDX3Y-S	GTTTCAGCGATGTTGCAATGGGAGAAATTATTATGGGAAACATTGAGCTTACTCGTTACA	720
	F S D V A M G E I I M G N I E L T R Y T	
bDDX3Y-L	CACGTCCTACTCCAGTGCAAAAACATGCCATTCCCATTATTAAGAAAAAAGGGACCTGA	780
bDDX3Y-S	CACGTCCTACTCCAGTGCAAAAACATGCCATTCCCATTATTAAGAAAAAAGGGACCTGA	780
	R P T P V Q K H A I P I I K E K R D L M	
bDDX3Y-L	TGGCCTGTGCCCAGACAGGGTCTGGGAAAACCTGCAGCATTCTTTTGCCCATCTTGAGTC	840
bDDX3Y-S	TGGCCTGTGCCCAGACAGGGTCTGGGAAAACCTGCAGCATTCTTTTGCCCATCTTGAGTC	840
	A C A Q T G S S G K T A A F L L P I L S Q	
bDDX3Y-L	AGATTTATACAGATGGTCCAGGCGAGGCTTTGAAAGCTGTGAAGGAAAGTGAAGGTATG	900
bDDX3Y-S	AGATTTATACAGATGGTCCAGGCGAGGCTTTGAAAGCTGTGAAGGAAAGTGAAGGTATG	900
	I Y T D G P G E A L K A V K E S G R Y G	
bDDX3Y-L	GACGCCGTAAACAGTATCCAATCTCCTTGGTTTTAGCCCCAACAAAGAGAGTTGGCTGTAC	960
bDDX3Y-S	GACGCCGTAAACAGTATCCAATCTCCTTGGTTTTAGCCCCAACAAAGAGAGTTGGCTGTAC	960
	R R K Q Y P I S L V L A P T R E L A V Q	
bDDX3Y-L	AGATCTATGAGGAAGCCAGGAAATTTTCATACCGGTCTCGAGTTCTTCTTGTGTGGTAT	1020
bDDX3Y-S	AGATCTATGAGGAAGCCAGGAAATTTTCATACCGGTCTCGAGTTCTTCTTGTGTGGTAT	1020
	I Y E E A R K F S Y R S R V L P C V V Y	
bDDX3Y-L	ACGGTGGTGCTGATATTGGTCAACAAATTCGAGACTTAGAACGTGGATGTCACTTGTTGG	1080
bDDX3Y-S	ACGGTGGTGCTGATATTGGTCAACAAATTCGAGACTTAGAACGTGGATGTCACTTGTTGG	1080
	G G A D I G Q Q I R D L E R G C H L L V	
bDDX3Y-L	TGGCCACTCCAGGACGCCTGGTGGATATGATGGAAAGGGGAAAGATTGGGTTAGATTCT	1140
bDDX3Y-S	TGGCCACTCCAGGACGCCTGGTGGATATGATGGAAAGGGGAAAGATTGGGTTAGATTCT	1140
	A T P G R L V D M M E R G K I G L D F C	
bDDX3Y-L	GCAAATACTTGGTGTGGATGAAGCTGATAGGATGCTGGATATGGGATTGAACCTCAGA	1200
bDDX3Y-S	GCAAATACTTGGTGTGGATGAAGCTGATAGGATGCTGGATATGGGATTGAACCTCAGA	1200
	K Y L V L D E A D R M L D M G F E P Q I	
bDDX3Y-L	TACGTCGTATAATTGAACAAGACACTATGCCACCAAAGGGTGTCGCCATACCATGATGT	1260
bDDX3Y-S	TACGTCGTATAATTGAACAAGACACTATGCCACCAAAGGGTGTCGCCATACCATGATGT	1260
	R R I I E Q D T M P P K G V R H T M M F	
bDDX3Y-L	TTAGTGCTACTTTTCCTAAGGAAATTCAGATGCTTGCTCGTGATTTCTTGGATGAATATA	1320
bDDX3Y-S	TTAGTGCTACTTTTCCTAAGGAAATTCAGATGCTTGCTCGTGATTTCTTGGATGAATATA	1320
	S A T F P K E I Q M L A R D F L D E Y I	
bDDX3Y-L	TCTTTCTGGCCGTAGGTAGAGTTGGCTCTACCTCTGAGAACATCACACAAAAAGTAGTTT	1380
bDDX3Y-S	TCTTTCTGGCCGTAGGTAGAGTTGGCTCTACCTCTGAGAACATCACACAAAAAGTAGTTT	1380
	F L A V G R V G S T S E N I T Q K V V W	
bDDX3Y-L	GGGTGGAAGAGGCAGACAAACGGTCATTTCTGCTTGATCTCTTAAATGCAACAGGGACAG	1440
bDDX3Y-S	GGGTGGAAGAGGCAGACAAACGGTCATTTCTGCTTGATCTCTTAAATGCAACAGGGACAG	1440
	V E E A D K R S F L L D L L N A T G T D	
bDDX3Y-L	ATTCACTGACTTTAGTTTTTGTGGAGACAAAAAGGGGGCTGATTCTTTGGAGGATTCT	1500
bDDX3Y-S	ATTCACTGACTTTAGTTTTTGTGGAGACAAAAAGGGGGCTGATTCTTTGGAGGATTCT	1500
	S L T L V F V E T K K G A D S L E D F L	
bDDX3Y-L	TATACCATGAAGGATATGCTTGTACAAGTATCCATGGAGACCGATCACAGAGAGATAGAG	1560
bDDX3Y-S	TATACCATGAAGGATATGCTTGTACAAGTATCCATGGAGACCGATCACAGAGAGATAGAG	1560
	Y H E G Y A C T S I H G D R S Q R D R E	
bDDX3Y-L	AGGAAGCACTTCATCAGTTCGGCTCAGGAAAAAGCCCAATTCTAGTGGCTACTGCTGTGG	1620
bDDX3Y-S	AGGAAGCACTTCATCAGTTCGGCTCAGGAAAAAGCCCAATTCTAGTGGCTACTGCTGTGG	1620
	E A L H Q F R S G K S P I L V A T A V A	
bDDX3Y-L	CAGCAAGAGGACTAGACATTTCAAATGTGAAACATGTCATCAATTTTGATTGGCAGGTG	1680
bDDX3Y-S	CAGCAAGAGGACTAGACATTTCAAATGTGAAACATGTCATCAATTTTGATTGGCAGGTG	1680
	A R G L D I S N V K H V I N F D L P G D	
bDDX3Y-L	ATATTGAGGAATATGTACATCGGATTGGCCGTACAGGACGTGTAGGAAACCTTGGTCTTG	1740
bDDX3Y-S	ATATTGAGGAATATGTACATCGGATTGGCCGTACAGGACGTGTAGGAAACCTTGGTCTTG	1740
	I E E Y V H R I G R T G R V G N L G L A	
bDDX3Y-L	CCACCTCATTTTTCAATGAAAGAAATATAAATATCTCAAAGATTTGTTGGATCTTCTTG	1800
bDDX3Y-S	CCACCTCATTTTTCAATGAAAGAAATATAAATATCTCAAAGATTTGTTGGATCTTCTTG	1800
	T S F F N E R N I N I S K D L L D L L V	
bDDX3Y-L	TTGAAGCCAAACAAGAAGTGCCATCTTGGTTAGAAAACATGGCTTATGAACACCACTATA	1860
bDDX3Y-S	TTGAAGCCAAACAAGAAGTGCCATCTTGGTTAGAAAACATGGCTTATGAACACCACTATA	1860
	E A K Q E V P S W L E N M A Y E H H Y K	
bDDX3Y-L	AGAGTAGCAATCGTGGCCGTTCTAGGAGATTCAGTGGAGGCTTTGGTGCCCGTGATTATC	1920
bDDX3Y-S	AGAGTAGCAATCGTGGCCGTTCTAGGAGATTCAGTGGAGGCTTTGGTGCCCGTGATTATC	1920
	S S N R G R S R R F S G G F G A R D Y R	
bDDX3Y-L	GACAAAGTAGCAGTTCTGGCAGTTTCAGCTATAGTAGTGGTCGTGCAGGCAGCAGCCGCA	1980
bDDX3Y-S	GACAAAGTAGCAGTTCTGGCAGTTTCAGCTATAGTAGTGGTCGTGCAGGCAGCAGCCGCA	1980
	Q S S S S G S F S Y S S G R A G S S R S	
bDDX3Y-L	GTGGTGGAGGTGCTCATGGCAGCAGCAGAGGATTTGGTGGAGGTAGTGGCTATGGAGGCT	2040
bDDX3Y-S	GTGGTGGAGGTGCTCATGGCAGCAGCAGAGGATTTGGTGGAGGTAGTGGCTATGGAGGCT	2037
	G G G A H G S S R G F G G G S G Y G G F	
bDDX3Y-L	TCTACAGTAGTGAAGGATATGGCGGAAATTACAGCTCTCAGGGGGTTGACTGGTGGGGCA	2100
bDDX3Y-S	TCTACAGTAGTGAAGGATATGGCGGAAATTACAGCTCTCAGGGGGTTGACTGGTGGGGCA	2097
	Y S S E G Y G G N Y S S Q G V D W W G N	
bDDX3Y-L	ACGATCTGCTTTCCAGCCAAGTCACTTAAAAAAAAGCTACAATGGAAACCACATGTAA	2160
bDDX3Y-S	ACGATCTGCTTTCCAGCCAAGTCACTTAAAAAAAAGCTACAATGGAAACCACA-----	2157
	*	
bDDX3Y-L	CTTGGCCAGATTGTTTTGTGTATAAAGGAGATCTTGTAGTGCATTACCCATAGTGATICT	2220
bDDX3Y-S	-----	2179
bDDX3Y-L	CCTGAAAATTCAAGGGAGCTTAAAGCCAAAAGAAAGAAAAAGAACACCAATAATTCCAT	2280
bDDX3Y-S	-----	
bDDX3Y-L	TGGTTTGAAAACCTTAATTGCTGTAGTTTGGATGAACTCCCCTCTGCTTGTTCACCCCA	2340
bDDX3Y-S	-----	
bDDX3Y-L	AACIGCATTTTATAATTTTGTGATTGAGGATCATTTGTTTGTTAATGTACTCTGACTTTAT	2400
bDDX3Y-S	-----	
bDDX3Y-L	AGACAGATTATTTGATGTCCGTTGGCTCAGTAATGCTCAAGTTTTCAGTTGTGTTTCATGA	2460
bDDX3Y-S	-----	
bDDX3Y-L	AATAAGTTCACTAAATTTGGGCTAAGATCACACCTTGGCACACAGATGTGATACAACCTTA	2520
bDDX3Y-S	-----	
bDDX3Y-L	TTTAACAGGAATTGTTAATTTATTTATAAGTATTACAAAGTAAGAAAACCTTGAGCAGTAA	2580
bDDX3Y-S	-----	
bDDX3Y-L	CTTGCAATTGGACTTAATGTTTGGAGATTGGGGAGAAAAATACCTTACAGCAGAATTCCT	2640
bDDX3Y-S	-----	
bDDX3Y-L	TCTGATGTGGCAAACCTGTACTAATTTAACTTTGTATTTGCTCATTCTATCTGGATAGGCA	2700
bDDX3Y-S	-----	
bDDX3Y-L	TTTATAGTCTATAAATAAGCCATTCTGGTCATGATAAGATTACATGTAIGAATACATCCA	2760
bDDX3Y-S	-----	
bDDX3Y-L	TATATTTTC	2769
bDDX3Y-S	-----	