

HOTSPOT MUTATIONER (35 gener)					
GEN	PROTEIN	REFSEQ	EXON	KODON START	KODON SLUT
AKT1	AKT Serine/Threonine Kinase 1	NM_005163	3	17	51
ALK	ALK Receptor Tyrosine Kinase	NM_004304	25	1252	1277
			24	1216	1247
			23	1173	1214
			22	1151	1171
			21	1121	1150
AR	Androgen Receptor	NM_000044	6	788	816
			8	870	890
BRAF	B-Raf Proto-Oncogene, Serine/Threonine Kinase	NM_004333	11	451	477
			15	582	610
CDK4	Cyclin Dependent Kinase 4	NM_000075	2	8	49
CTNNB1	Catenin Beta 1	NM_001904	3	10	48
DDR2	Discoidin Domain Receptor Tyrosine Kinase 2	NM_006182	5	94	134
EGFR	Epidermal Growth Factor Receptor	NM_000125	7	280	296
			8	533	572
			12	474	499
			15	575	601
			18	696	725
			19	729	761
			20	763	798
21	827	865			
ERBB2	Erb-B2 Receptor Tyrosine Kinase 2	NM_004448	8	302	326
			17	662	690
			18	704	736
			19	753	769
			20	770	796
			21	840	881
ERBB3	Erb-B2 Receptor Tyrosine Kinase 3	NM_001982	2	47	78
			3	88	120
			6	206	244

			8	293	312
			9	331	369
ERBB4	Erb-B2 Receptor Tyrosine Kinase 4	NM_005235	18	694	713
ESR1	Estrogen Receptor 1	NM_000125	8	533	572
FGFR2	Fibroblast Growth Factor Receptor 2	NM_023029	5	162	185
			6	225	259
			7	274	309
			10	457	468
			12	542	573
FGFR3	Fibroblast Growth Factor Receptor 3	NM_000142	7	248	277
			9	368	402
			14	632	653
			16	691	719
GNA11	G Protein Subunit Alpha 11	NM_002067	4	168	201
			5	203	219
GNAQ	G Protein Subunit Alpha Q	NM_002072	4	166	195
			5	206	245
HRAS	HRas Proto-Oncogene, GTPase	NM_005343	2	1	25
			3	43	81
IDH1	Isocitrate Dehydrogenase (NADP(+)) 1, Cytosolic	NM_005896	4	101	134
IDH2	Isocitrate Dehydrogenase (NADP(+)) 2, Mitochondrial	NM_002168	4	134	176
JAK1	Janus Kinase 1	NM_002227	16	706	742
			15	686	705
			14	638	662
JAK2	Janus Kinase 2	NM_004972	15	604	621
JAK3	Janus Kinase 3	NM_000215	11	484	507
			12	524	567
			15	641	681
KIT	KIT Proto-Oncogene Receptor Tyrosine Kinase	NM_000222	8	412	433
			9	495	513
			11	550	587
			13	628	660

			17	792	828
KRAS	KRAS Proto-Oncogene, GTPase	NM_033360	2	6	37
			3	38	65
			4	114	149
MAP2K1 (MEK1)	Mitogen-Activated Protein Kinase Kinase 1	NM_002755	2	44	81
			3	106	144
			6	191	224
MAP2K2 (MEK2)	Mitogen-Activated Protein Kinase Kinase 2	NM_030662	2	32	67
MET	MET Proto-Oncogene, Receptor Tyrosine Kinase	NM_000245	14	982	1009
			16	1088	1113
			19	1229	1255
MTOR	Mechanistic Target Of Rapamycin Kinase	NM_004958	43	1971	1979
			43	1999	2010
			47	2187	2200
			53	2394	2433
NRAS	NRAS Proto-Oncogene, GTPase	NM_002524	2	4	30
			3	43	68
			4	113	149
RAF1 (CRAF)	Raf-1 Proto-Oncogene, Serine/Threonine Kinase	NM_002880	7	246	273
			12	407	441
PDGFRA	Platelet Derived Growth Factor Receptor Alpha	NM_006206	12	552	583
			14	645	667
			18	820	854
PIK3CA	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic S	NM_006218	2	24	60
			2	79	113
			5	317	350
			6	354	378
			8	418	433
			8	450	468
			10	533	554
			14	692	729
			19	899	923
			21	1018	1050

RET	Ret Proto-Oncogene	NM_020630	10	609	626
			11	628	654
			13	763	785
			15	876	910
			16	911	923
ROS1	ROS Proto-Oncogene 1, Receptor Tyrosine Kinase	NM_002944	36	1942	1980
			38	2003	2036
SMO	Smoothed, Frizzled Class Receptor	NM_005631	4	264	306
			6	392	418
			8	454	488
			9	512	542

KOPIETALSVARIATIONER (19 gener)

GEN	PROTEIN
<i>ALK</i>	ALK Receptor Tyrosine Kinase
<i>AR</i>	Androgen Receptor
<i>BRAF</i>	B-Raf Proto-Oncogene, Serine/Threonine Kinase
<i>CDK4</i>	Cyclin Dependent Kinase 4
<i>CDK6</i>	Cyclin Dependent Kinase 6
<i>EGFR</i>	Epidermal Growth Factor Receptor
<i>ERBB2</i>	Erb-B2 Receptor Tyrosine Kinase 2
<i>FGFR1</i>	Fibroblast Growth Factor Receptor 1
<i>FGFR2</i>	Fibroblast Growth Factor Receptor 2
<i>FGFR3</i>	Fibroblast Growth Factor Receptor 3
<i>FGFR4</i>	Fibroblast Growth Factor Receptor 4
<i>KIT</i>	KIT Proto-Oncogene Receptor Tyrosine Kinase
<i>KRAS</i>	KRAS Proto-Oncogene, GTPase
<i>MET</i>	MET Proto-Oncogene, Receptor Tyrosine Kinase
<i>MYC</i>	MYC Proto-Oncogene, BHLH Transcription Factor
<i>MYCN</i>	MYCN Proto-Oncogene, BHLH Transcription Factor
<i>MTOR</i>	Mechanistic Target Of Rapamycin Kinase
<i>PDGFRA</i>	Platelet Derived Growth Factor Receptor Alpha
<i>PIK3CA</i>	Phosphatidylinositol-4,5-Bisphosphate 3-Kinase Catalytic Subunit Alpha

FUSIONER OCH DELETIONER (266 fusioner och 2 exon-deletioner)						
Oncogen	Protein	5' partner	3' partner	Fusion	Antal	Varianter
DELETIONER						
EGFR		<i>EGFR</i>	<i>EGFR</i>	<i>EGFR-EGFR.E1E8.Del</i>	1	E1E8.Del (EGFRvIII)
MET		<i>MET</i>	<i>MET</i>	<i>MET-MET.M13M15</i>	1	M13M15 (MET exon 14 skipping)
FUSIONER						
ABL1	ABL Proto-Oncogene 1, Non-Receptor Tyrosine Kinase	<i>EML1</i>	<i>ABL1</i>	<i>EML1-ABL1</i>	1	E17A2
AKT3	AKT Serine/Threonine Kinase 3	<i>MAGI3</i>	<i>AKT3</i>	<i>MAGI3-AKT3</i>	1	M10A3
ALK	ALK Receptor Tyrosine Kinase	<i>Okändt</i>	<i>ALK</i>	<i>Okändt</i>		ALK 5'-3' analys
		<i>A2M</i>	<i>ALK</i>	<i>A2M-ALK</i>	1	A22A19
		<i>ACTG2</i>	<i>ALK</i>	<i>ACTG2-ALK</i>	1	A2A18
		<i>ALK</i>	<i>PTPN3</i>	<i>ALK-PTPN3</i>	1	A11P3
		<i>ATIC</i>	<i>ALK</i>	<i>ATIC-ALK</i>	1	A7A20
		<i>C2orf44</i>	<i>ALK</i>	<i>C2orf44-ALK</i>	1	C4A20
		<i>CARS</i>	<i>ALK</i>	<i>CARS-ALK</i>	1	C17A20
		<i>CLIP4</i>	<i>ALK</i>	<i>CLIP4-ALK</i>	1	C12A23
		<i>CLTC</i>	<i>ALK</i>	<i>CLTC-ALK</i>	1	C31A20
		<i>DCTN1</i>	<i>ALK</i>	<i>DCTN1-ALK</i>	1	D26A20
		<i>EML4</i>	<i>ALK</i>	<i>EML4-ALK</i>	27	E2A20 (2), E3p53insA20, E6A17, E6A18, E6A19, E6aA20, E6bA20, E6ins18A20, E7A20, E13A20 (2), E13ins90A20, E14A20 (2), E14ins2del52A20, E14ins124A20, E14del36A20, E15A20, E17A20 (2), E17ins30A20_V8a, E17ins65A20, E17ins68A20, E20A20 (2), E21A20
		<i>GTF2IRD1</i>	<i>ALK</i>	<i>GTF2IRD1-ALK</i>	1	G7A20
		<i>HIP1</i>	<i>ALK</i>	<i>HIP1-ALK</i>	2	H21A20, H28A20
		<i>KIF5B</i>	<i>ALK</i>	<i>KIF5B-ALK</i>	3	K15A20, K17A20, K24A20
		<i>KLC1</i>	<i>ALK</i>	<i>KLC1-ALK</i>	1	K9A20
		<i>MEMO1</i>	<i>ALK</i>	<i>MEMO1-ALK</i>	1	M2A7
		<i>NCOA1</i>	<i>ALK</i>	<i>NCOA1-ALK</i>	1	N21A1

		<i>PRKARIA</i>	<i>ALK</i>	<i>PRKAR1A-ALK</i>	1	P2A20
		<i>RANBP2</i>	<i>ALK</i>	<i>RANBP2-ALK</i>	1	R18A20
		<i>SEC31L_SEC31A</i>	<i>ALK</i>	<i>SEC31L1_SEC31A-ALK</i>	2	S21A20, S22A20
		<i>SMEK2</i>	<i>ALK</i>	<i>SMEK2-ALK</i>	1	S9A2
		<i>STRN</i>	<i>ALK</i>	<i>STRN-ALK</i>	1	S3A20
		<i>TFG</i>	<i>ALK</i>	<i>TFG-ALK</i>	3	T4A20, T5A20, T6A20
		<i>TPM1</i>	<i>ALK</i>	<i>TPM1-ALK</i>	1	T8A20
		<i>TPM3</i>	<i>ALK</i>	<i>TPM3-ALK</i>	1	T7A20
		<i>TPM4</i>	<i>ALK</i>	<i>TPM4-ALK</i>	1	T7A20
		<i>TPR</i>	<i>ALK</i>	<i>TPR-ALK</i>	1	T15A20
		<i>TRAF1</i>	<i>ALK</i>	<i>TRAF1-ALK</i>	1	T6A20
		<i>VCR</i>	<i>ALK</i>	<i>VCL-ALK</i>	1	V16A20
AXL	AXL Receptor Tyrosine Kinase	<i>AXL</i>	<i>MBIP</i>	<i>AXL-MBIP</i>	1	A20M4.1
BRAF	B-Raf Proto-Oncogene, Serine/Threonine Kinase	<i>AGTRAP</i>	<i>BRAF</i>	<i>AGTRAP-BRAF</i>	1	A5B8
		<i>AKAP9</i>	<i>BRAF</i>	<i>AKAP9-BRAF</i>	1	A8B9
		<i>CDC27</i>	<i>BRAF</i>	<i>CDC27-BRAF</i>	1	C16B9.1
		<i>FAM131B</i>	<i>BRAF</i>	<i>FAM131B-BRAF</i>	1	F2B9
		<i>FCHSD1</i>	<i>BRAF</i>	<i>FCHSD1-BRAF</i>	1	F13B9
		<i>KIAA1549</i>	<i>BRAF</i>	<i>KIAA1549-BRAF</i>	5	K15B9, K15B11, K16B10, K17B10, K18B9
		<i>PAPSS1</i>	<i>BRAF</i>	<i>PAPSS1-BRAF</i>	1	P5B9.1
		<i>SLC45A3</i>	<i>BRAF</i>	<i>SLC45A3-BRAF</i>	1	S1B8
		<i>SND1</i>	<i>BRAF</i>	<i>SND1-BRAF</i>	1	S16B9.1
		<i>TAX1BP1</i>	<i>BRAF</i>	<i>TAX1BP1-BRAF</i>	1	T8B11.1
		<i>TRIM24</i>	<i>BRAF</i>	<i>TRIM24-BRAF</i>	1	T9B9.1
ERBB2	Erb-B2 Receptor Tyrosine Kinase 2	<i>WIPF2</i>	<i>ERBB2</i>	<i>WIPF2-ERBB2</i>	1	W1E4
ERG	ERG, ETS Transcription Factor	<i>SLC45A3</i>	<i>ERG</i>	<i>SLC45A3-ERG</i>	1	S1E4
		<i>TMPRSS2</i>	<i>ERG</i>	<i>TMPRSS2-ERG</i>	15	T1E2, T1E3, T1E4, T1E5, T1E6, T1EIIIc_4, T2E2, T2E4, T2EIIIc_4, T2E5, T3E4, T4E4, T4E5, T5E4, T5E5

ETV1	ETS (E twenty-six family of transcription factors) Variant 1	<i>TMPRSS2</i>	<i>ETV1</i>	<i>TMPRSS2-ETV1</i>	6	T1E2, T1E5, T1E4, T1bE4, T2E5, T3E2
ETV4	ETS (E twenty-six family of transcription factors) Variant 4	<i>TMPRSS2</i>	<i>ETV4</i>	<i>TMPRSS2-ETV4</i>	1	T1bE3
ETV5	ETS (E twenty-six family of transcription factors) Variant 5	<i>TMPRSS2</i>	<i>ETV5</i>	<i>TMPRSS2-ETV5</i>	1	T1bE2
FGFR1	Fibroblast Growth Factor Receptor 1	<i>BAG4</i>	<i>FGFR1</i>	<i>BAG4-FGFR1</i>	2	B1F8, B2F6
		<i>ERLIN1</i>	<i>FGFR1</i>	<i>ERLIN2-FGFR1</i>	1	E8F2
		<i>FGFR1</i>	<i>TACC1</i>	<i>FGFR1-TACC1</i>	1	F17T7
FGFR2	Fibroblast Growth Factor Receptor 2	<i>FGFR2</i>	<i>AFF3</i>	<i>FGFR2-AFF3</i>	1	F17A8.1
		<i>FGFR2</i>	<i>BICC2</i>	<i>FGFR2-BICC1</i>	1	F17B2
		<i>FGFR2</i>	<i>CASP7</i>	<i>FGFR2-CASP7</i>	1	F17C2
		<i>FGFR2</i>	<i>CIT</i>	<i>FGFR2-CIT</i>	1	F17C23
		<i>FGFR2</i>	<i>KIAA1967_C</i>	<i>FGFR2-</i>	1	F17C4
			<i>CAR2</i>	<i>KIAA1967_CCAR2</i>		
		<i>FGFR2</i>	<i>MGEA5</i>	<i>FGFR2-MGEA5</i>	1	F17M12
		<i>FGFR2</i>	<i>OFD1</i>	<i>FGFR2-OFD1</i>	1	F17O3
		<i>FGFR2</i>	<i>TACC3</i>	<i>FGFR2-TACC3</i>	1	F17T11
<i>SLC45A3</i>	<i>FGFR2</i>	<i>SLC45A3-FGFR2</i>	2	S1F1, S1F2		
FGFR3	Fibroblast Growth Factor Receptor 3	<i>FGFR3</i>	<i>AES</i>	<i>FGFR3-AES</i>	1	F17A2
		<i>FGFR3</i>	<i>BAIAP2L1</i>	<i>FGFR3-BAIAP2L1</i>	1	F17B2
		<i>FGFR3</i>	<i>ELAVL3</i>	<i>FGFR3-ELAVL3</i>	1	F17E2
		<i>FGFR3</i>	<i>TACC3</i>	<i>FGFR3-TACC3</i>	22	F14T11, F15T11, F16T10, F16T11, F17T5, F17T6, F17T7, F17T8, F17T9, F17T10, F17T11, F17T11.1, F17T11.2, F17T13, F17intron17T4, F17intron17T9, TruncatedF17T4, F18T4and5, F18T7, F18T10, F18T10.1, F18T11

MET	MET Proto-Oncogene, Receptor Tyrosine Kinase	<i>BAIAP2L1</i>	<i>MET</i>	<i>BAIAP2L1-MET</i>	1	B9M15
		<i>C8orf34</i>	<i>MET</i>	<i>C8orf34-MET</i>	1	C2M15
		<i>CAPZA2</i>	<i>MET</i>	<i>CAPZA2-MET</i>	1	C4M11
		<i>OXR1</i>	<i>MET</i>	<i>OXR1-MET</i>	1	O9M13
		<i>PTPRZ1</i>	<i>MET</i>	<i>PTPRZ1-MET</i>	3	P1M2, P3M2, P8M2
		<i>TFG</i>	<i>MET</i>	<i>TFG-MET</i>	1	T5M15
		<i>TPR</i>	<i>MET</i>	<i>TPR-MET</i>	1	T4M15
NTRK1	Neurotrophic Receptor Tyrosine Kinase 1	<i>BCAN</i>	<i>NTRK1</i>	<i>BCAN-NTRK1</i>	1	B13N11
		<i>CD74</i>	<i>NTRK1</i>	<i>CD74-NTRK1</i>	1	C7N10
		<i>CEL</i>	<i>NTRK1</i>	<i>CEL-NTRK1</i>	1	C7N7.1
		<i>DYNC2H1</i>	<i>NTRK1</i>	<i>DYNC2H1-NTRK1</i>	1	N17D85
		<i>IRF2BP2</i>	<i>NTRK1</i>	<i>IRF2BP2-NTRK1</i>	1	I1N10.1
		<i>LMNA</i>	<i>NTRK1</i>	<i>LMNA-NTRK1</i>	1	L2N11
		<i>MPRIP</i>	<i>NTRK1</i>	<i>MPRIP-NTRK1</i>	3	M14N12, M18N12, M21N12
		<i>NFASC</i>	<i>NTRK1</i>	<i>NFASC-NTRK1</i>	1	N20N10
		<i>NTRK1</i>	<i>DYNC2H1</i>	<i>NTRK1-DYNC2H1</i>	1	N17D85
		<i>RNF213</i>	<i>NTRK1</i>	<i>RNF213-NTRK1</i>	1	R15N12
		<i>SQSTM1</i>	<i>NTRK1</i>	<i>SQSTM1-NTRK1</i>	1	S5N10
		<i>SSBP2</i>	<i>NTRK1</i>	<i>SSBP2-NTRK1</i>	1	S12N12
		<i>TFG</i>	<i>NTRK1</i>	<i>TFG-NTRK1</i>	1	T6N10
		<i>TPM3</i>	<i>NTRK1</i>	<i>TPM3-NTRK1</i>	1	T7N10
<i>TPR</i>	<i>NTRK1</i>	<i>TPR-NTRK1</i>	4	T6N12.short, T6N12.1, T21N9, T21N10		
NTRK2	Neurotrophic Receptor Tyrosine Kinase 2	<i>AFAP1</i>	<i>NTRK2</i>	<i>AFAP1-NTRK2</i>	1	A14N12
		<i>AGBL4</i>	<i>NTRK2</i>	<i>AGBL4-NTRK2</i>	1	A6N16
		<i>NACC2</i>	<i>NTRK2</i>	<i>NACC2-NTRK2</i>	1	N4N13
		<i>QKI</i>	<i>NTRK2</i>	<i>QKI-NTRK2</i>	2	Q6N16, Q6N17
		<i>SQSTM1</i>	<i>NTRK2</i>	<i>SQSTM1-NTRK2</i>	1	S5N17
		<i>TRIM24</i>	<i>NTRK2</i>	<i>TRIM24-NTRK2</i>	1	T12N15
		<i>VCL</i>	<i>NTRK2</i>	<i>VCL-NTRK2</i>	1	V16N12

NTRK3	Neurotrophic Receptor Tyrosine Kinase 3	<i>BTBD1</i>	<i>NTRK3</i>	<i>BTBD1-NTRK3</i>	1	B4N14
		<i>COX5A</i>	<i>NTRK3</i>	<i>COX5A-NTRK3</i>	1	C1N15
		<i>ETV6</i>	<i>NTRK3</i>	<i>ETV6-NTRK3</i>	4	E4N14, E4N15, E5N14, E5N15
PDGFRA	Platelet Derived Growth Factor Receptor Alpha	<i>SCAF11</i>	<i>PDGFRA</i>	<i>SCAF11-PDGFRA</i>	1	S1P2
PPARG	Peroxisome Proliferator Activated Receptor Gamma	<i>PAX8</i>	<i>PPARG</i>	<i>PAX8-PPARG</i>	4	P7P2, P8P2, P9P2, P10P2
RAF1	Raf-1 Proto-Oncogene, Serine/Threonine Kinase	<i>B4GALT1</i>	<i>RAF1</i>	<i>B4GALT1-RAF1</i>	1	B1R8
		<i>ESRP1</i>	<i>RAF1</i>	<i>ESRP1-RAF1</i>	1	E13R6
RET	Ret Proto-Oncogene	<i>Okändt</i>	<i>RET</i>	<i>Okändt</i>		<i>RET</i> 5'-3'analys
		<i>ACBD5</i>	<i>RET</i>	<i>ACBD5-RET</i>	1	A11R12
		<i>AFAP1</i>	<i>RET</i>	<i>AFAP1-RET</i>	1	A3R12
		<i>AKAP13</i>	<i>RET</i>	<i>AKAP13-RET</i>	1	A35R12, A36R12
		<i>CCDC6</i>	<i>RET</i>	<i>CCDC6-RET</i>	7	C1R11, C1R11.1, C1R12, C1R13, C2R12, C8R11, C8R12
		<i>CUX1</i>	<i>RET</i>	<i>CUX1-RET</i>	1	C10R12
		<i>ERC1</i>	<i>RET</i>	<i>ERC1-RET</i>	3	E7R12, E12R12, E17R12
		<i>ERC1_ELKS</i>	<i>RET</i>	<i>ERC1_ELKS-RET</i>	1	E11R12
		<i>FKBP15</i>	<i>RET</i>	<i>FKBP15-RET</i>	1	R25R12
		<i>GOLGA5</i>	<i>RET</i>	<i>GOLGA5-RET</i>	1	G7R12
		<i>HOOK3</i>	<i>RET</i>	<i>HOOK3-RET</i>	1	H11R12
		<i>KIAA1468</i>	<i>RET</i>	<i>KIAA1468-RET</i>	1	K10R12
		<i>KIF5B</i>	<i>RET</i>	<i>KIF5B-RET</i>	7	K12R12, K15R11, K16R12, K22R12, K23R12, K24R8, K24R11
		<i>KTN1</i>	<i>RET</i>	<i>KTN1-RET</i>	1	K29R12
		<i>NCOA4</i>	<i>RET</i>	<i>NCOA4-RET</i>	1	N7R12
		<i>NCOA4_ELE1</i>	<i>RET</i>	<i>NCOA4_ELE1-RET</i>	1	E6R12
		<i>PCM1</i>	<i>RET</i>	<i>PCM1-RET</i>	1	R29R12
		<i>PRKAR1A</i>	<i>RET</i>	<i>PRKAR1A-RET</i>	1	P7R12
		<i>RUFY2</i>	<i>RET</i>	<i>RUFY2-RET</i>	1	R9R12
<i>SPECC1L</i>	<i>RET</i>	<i>SPECC1L-RET</i>	2	S10R11, S10R12		

		<i>TBL1XR1</i>	<i>RET</i>	<i>TBL1XR1-RET</i>	2	T9R11, T9R12
		<i>TRIM24</i>	<i>RET</i>	<i>TRIM24-RET</i>	1	T9R12
		<i>TRIM27</i>	<i>RET</i>	<i>TRIM27-RET</i>	1	T3R12
		<i>TRIM33</i>	<i>RET</i>	<i>TRIM33-RET</i>	1	T16R12
ROS1	ROS Proto-Oncogene 1, Receptor Tyrosine Kinase	<i>Okändt</i>	<i>ROS1</i>	<i>Okändt</i>		<i>ROS1</i> 5'-3 analys
		<i>CCDC6</i>	<i>ROS1</i>	<i>CCDC6-ROS1</i>	1	C5R35
		<i>CD74</i>	<i>ROS1</i>	<i>CD74-ROS1</i>	4	C4R33, C6R32, C6R34, C6r35
		<i>CEP85L</i>	<i>ROS1</i>	<i>CEP85L-ROS1</i>	1	C8R36
		<i>CLIP1</i>	<i>ROS1</i>	<i>CLIP1-ROS1</i>	1	C19R36
		<i>CLTC</i>	<i>ROS1</i>	<i>CLTC-ROS1</i>	1	C31R35
		<i>ERC1</i>	<i>ROS1</i>	<i>ERC1-ROS1</i>	1	E11R36
		<i>EZR</i>	<i>ROS1</i>	<i>EZR-ROS1</i>	2	E10R34, E10R35
		<i>GOPC</i>	<i>ROS1</i>	<i>GOPC-ROS1</i>	2	G4R36, G8R35
		<i>HLA_A</i>	<i>ROS1</i>	<i>HLA_A-ROS1</i>	1	H7R34
		<i>KDEL2</i>	<i>ROS1</i>	<i>KDEL2-ROS1</i>	1	K5Rintron34
		<i>KDEL2</i>	<i>ROS1</i>	<i>KDEL2-ROS1</i>	1	K5R35
		<i>KIAA1598</i>	<i>ROS1</i>	<i>KIAA1598-ROS1</i>	1	K11R36
		<i>LRIG3</i>	<i>ROS1</i>	<i>LRIG3-ROS1</i>	1	L16R35
		<i>MSN</i>	<i>ROS1</i>	<i>MSN-ROS1</i>	1	M9R34
		<i>MYO5A</i>	<i>ROS1</i>	<i>MYO5A-ROS1</i>	1	M23R35
		<i>PPFIBP1</i>	<i>ROS1</i>	<i>PPFIBP1-ROS1</i>	1	P9R35
		<i>PWWP2A</i>	<i>ROS1</i>	<i>PWWP2A-ROS1</i>	1	P1R36
		<i>SDC4</i>	<i>ROS1</i>	<i>SDC4-ROS1</i>	4	S2R32, S2R34, S4R32, S4R34
		<i>SLC34A2</i>	<i>ROS1</i>	<i>SLC34A2-ROS1</i>	5	S4R32, S4R34, S13R32, S13R34, S13R36
		<i>TFG</i>	<i>ROS1</i>	<i>TFG-ROS1</i>	1	T4R35
		<i>TPM3</i>	<i>ROS1</i>	<i>TPM3-ROS1</i>	2	T3R36, T7R35
		<i>ZCCHC8</i>	<i>ROS1</i>	<i>ZCCHC8-ROS1</i>	1	Z2R36