

Figure S1. Use of Sequenom MassARRAY for the detection of specific mutations in both GIST48 (upper panels) and GIST882 (lower panels).

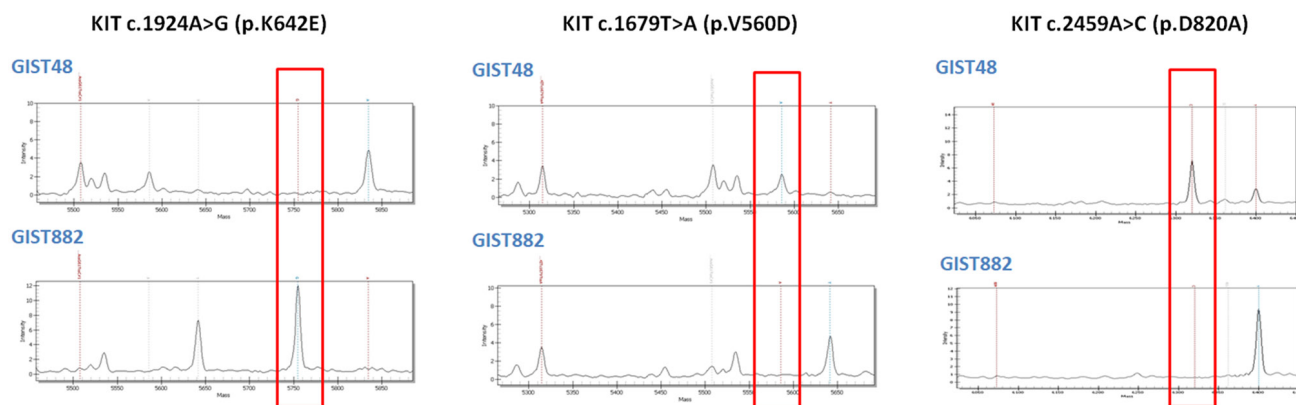


Table SI. The 101 downregulated probes in GIST cell lines in which ETV1 was knocked down.

Probe set	Ref sequence	Gene symbol
ILMN_1694757	NM_001912.3	CTSL1
ILMN_1701461	NM_000362.4	TIMP3
ILMN_1786720	NM_006017.1	PROM1
ILMN_1821280	AK091091	-
ILMN_1677466	NM_001946.2	DUSP6
ILMN_1685891	NM_004956.3	ETV1
ILMN_1792256	NM_005994.3	TBX2
ILMN_2278590	NM_002402.2	MEST
ILMN_1785618	NM_006932.3	SMTN
ILMN_2146761	NM_001444.1	FABP5
ILMN_1702636	NM_032525.1	TUBB6
ILMN_1767900	NM_018176.2	LGI2
ILMN_1789166	NM_020209.2	SHD
ILMN_1814790	NM_012309.1	SHANK2
ILMN_1700549	NM_007175.5	ERLIN2
ILMN_1769556	NM_024563.3	C5orf23
ILMN_1696302	NM_001444.1	FABP5
ILMN_1774733	NM_003745.1	SOCS1
ILMN_1799028	NM_005723.2	TSPAN5
ILMN_1726198	NM_001023564.2	CTSL3
ILMN_1658619	NM_015238.1	WWC1
ILMN_1779501	NM_005913.1	MC5R
ILMN_2411745	NM_004434.2	EML1
ILMN_1789244	NM_014587.2	SOX8
ILMN_1793598	NM_015957.1	APIP
ILMN_1730825	NM_138484.2	SGOL1
ILMN_1803429	NM_001001391.1	CD44
ILMN_2396020	NM_022652.2	DUSP6
ILMN_1664216	NM_020345.3	NKIRAS1
ILMN_1655498	XM_001134320.1	FLJ25404
ILMN_1711439	NM_007046.1	EMILIN1
ILMN_1744635	NM_004884.3	PUNC
ILMN_1751901	NM_030923.3	TMEM163
ILMN_1678669	NM_001034.1	RRM2
ILMN_1729455	NM_004434.2	EML1
ILMN_2139970	NM_000693.1	ALDH1A3
ILMN_2363658	NM_012293.1	PXDN
ILMN_1737517	NM_000992.2	RPL29

ILMN_1847363	XM_001133935.1	LOC731835
ILMN_2226415	NM_001071775.1	LOC440145
ILMN_1695745	NM_032890.2	DISP1
ILMN_1750273	NR_000029.2	RPL23AP7
ILMN_1783185	NM_007084.2	SOX21
ILMN_1681356	NM_002599.1	PDE2A
ILMN_1732923	NM_020808.3	SIPA1L2
ILMN_1773968	NM_001018069.1	SERBP1
ILMN_2186061	NM_004566.2	PFKFB3
ILMN_2374036	NM_145918.2	CTSL1
ILMN_1704464	NM_005293.2	GPR20
ILMN_1771051	NM_000992.2	RPL29
ILMN_1808391	NM_001394.5	DUSP4
ILMN_1812995	NM_001912.3	CTSL1
ILMN_1743275	NM_001099289.1	SH3MD4
ILMN_1767090	NM_003802.2	MYH13
ILMN_1786065	NM_001048201.1	UHRF1
ILMN_1662318	NM_014167.2	CCDC59
ILMN_1682929	NM_206928.1	SYTL2
ILMN_2240221	NM_032943.2	SYTL2
ILMN_1690454	NM_203370.1	C3orf54
ILMN_1766707	NM_014443.2	IL17B
ILMN_2388605	NM_001005386.1	ACTR2
ILMN_1732550	NM_144711.3	KLHL23
ILMN_1733851	NM_145056.1	DACT3
ILMN_1738589	NM_007283.5	MGLL
ILMN_1806040	NM_001071.1	TYMS
ILMN_1652913	NM_004456.3	EZH2
ILMN_1698733	NM_182553.1	CNIH2
ILMN_1727709	NM_170699.2	GPBAR1
ILMN_1760778	NM_000118.1	ENG
ILMN_1771462	NM_015414.2	RPL36
ILMN_1678191	NM_004962.2	GDF10
ILMN_1756814	NM_006504.3	PTPRE
ILMN_1791447	NM_199168.2	CXCL12
ILMN_2053921	NM_004930.2	CAPZB
ILMN_1665033	NM_000908.2	NPR3
ILMN_1730229	NM_032866.3	CGNL1
ILMN_1738449	NM_020860.1	STIM2
ILMN_1781942	NM_012485.1	HMMR
ILMN_2086064	NM_003093.1	SNRPC

ILMN_2139035	NM_022900.3	CASD1
ILMN_1753449	NM_001898.2	CST1
ILMN_1801939	NM_004701.2	CCNB2
ILMN_2148527	NR_002196.1	H19
ILMN_2324002	NM_033157.2	CALD1
ILMN_2336609	NM_206929.1	SYTL2
ILMN_2348788	NM_001001392.1	CD44
ILMN_1657144	NM_001010867.1	C1orf69
ILMN_1660288	XM_210876.4	C10orf41
ILMN_1660501	NM_002347.2	LY6H
ILMN_1665865	NM_001552.2	IGFBP4
ILMN_1711009	NM_201526.1	ISLR
ILMN_1718712	NM_022106.1	C20orf177
ILMN_1737586	XM_944429.1	LOC653994
ILMN_1798980	NM_004930.1	CAPZB
ILMN_2250445	NM_134269.1	SMTN
ILMN_1714737	NM_014034.1	ASF1A
ILMN_1791576	NM_014918.3	CHSY1
ILMN_1894072	BU935198	-
ILMN_2363621	NM_203291.1	RBBP8
ILMN_2409220	NM_012484.1	HMMR
ILMN_1813010	NM_016485.3	VTA1

Table SII. The 106 upregulated probes in GIST cell lines in which ETV1 was knocked down.

Probe set	Ref sequence	Gene symbol
ILMN_2151281	NM_031412.2	GABARAPL1
ILMN_1687501	NM_015529.2	MOXD1
ILMN_1709549	XM_001128220.1	PLEKHM1
ILMN_1741782	NM_005637.2	SS18
ILMN_1752579	NM_005177.3	ATP6V0A1
ILMN_1664294	NM_022356.2	LEPRE1
ILMN_1672605	NM_152793.2	C7orf41
ILMN_1795778	NM_001017973.1	P4HA2
ILMN_2150654	NM_023072.1	ZSWIM4
ILMN_2302716	NM_002860.3	ALDH18A1
ILMN_2311020	NM_201262.1	DNAJC12
ILMN_1658835	NM_001233.3	CAV2
ILMN_1666122	NM_020733.1	HEG1
ILMN_1668514	NM_012398.1	PIP5K1C
ILMN_1745471	NM_006084.4	IRF9
ILMN_2378670	NM_013306.3	SNX15
ILMN_1662161	NM_018201.2	TBC1D13
ILMN_1681135	NM_006038.2	SPATA2
ILMN_1691930	NM_014292.3	CBX6
ILMN_1708375	NM_002198.1	IRF1
ILMN_1733538	NM_001005339.1	RGS10
ILMN_1741392	NM_000387.3	SLC25A20
ILMN_1814333	NM_005025.3	SERPINI1
ILMN_2124471	NM_078483.2	SLC36A1
ILMN_2373831	NM_197974.1	BTN3A3
ILMN_1750321	NM_014831.1	LBA1
ILMN_1677429	NM_057179.1	TWIST2
ILMN_1691290	NM_001407.2	CELSR3
ILMN_1697548	NM_012302.2	LPHN2
ILMN_1713901	NM_016657.1	KDEL3
ILMN_1763852	NM_001093.3	ACACB
ILMN_1795285	NM_015288.4	PHF15
ILMN_1711853	NM_014815.3	MED24
ILMN_2347349	NM_182851.1	CCNB1IP1
ILMN_1730940	NM_057161.2	KLHDC3
ILMN_2152429	NM_207435.1	FLJ40142

ILMN_1788131	NM_057157.1	CYP26A1
ILMN_1788878	NM_178832.3	C10orf83
ILMN_2269256	NM_021800.2	DNAJC12
ILMN_2334765	NM_177947.2	ARMCX3
ILMN_2405470	NM_001007255.1	KLHDC9
ILMN_1705442	NM_144601.2	CMTM3
ILMN_1758315	NM_173653.1	SLC9A9
ILMN_1739325	XM_941810.2	LOC284023
ILMN_1751097	NM_194071.2	CREB3L2
ILMN_1694810	NM_052839.2	PANX2
ILMN_1697448	NM_006472.2	TXNIP
ILMN_1720771	NM_003764.2	STX11
ILMN_2374159	NM_001010990.1	HERPUD1
ILMN_1703955	NM_148177.1	FBXO32
ILMN_1803073	NM_021800.2	DNAJC12
ILMN_2054607	NM_207352.2	CYP4V2
ILMN_1749962	NM_004540.2	NCAM2
ILMN_1757370	NM_001007593.1	SMPD1
ILMN_1845086	AL110204	-
ILMN_1699623	NM_152450.2	FAM81A
ILMN_1737426	NM_052937.1	PCMTD1
ILMN_1743219	NM_001217.3	CA11
ILMN_1757338	NM_020353.1	PLSCR4
ILMN_2381899	NM_001008213.1	OPTN
ILMN_1728478	NM_022059.1	CXCL16
ILMN_1810214	NM_005354.3	JUND
ILMN_1718063	NM_000235.2	LIPA
ILMN_1745374	NM_005533.2	IFI35
ILMN_1747281	NM_145245.2	EVI5L
ILMN_1775762	NM_002070.2	GNAI2
ILMN_1745964	NM_001570.3	IRAK2
ILMN_1745034	NM_000617.1	SLC11A2
ILMN_1652128	NM_018368.2	LMBRD1
ILMN_1682176	NM_003278.1	CLEC3B
ILMN_1728742	NM_032385.3	C5orf4
ILMN_1746085	NM_000598.4	IGFBP3
ILMN_1805646	NM_005637.2	SS18
ILMN_1717326	NM_018344.3	SLC29A3
ILMN_1659688	NM_005567.2	LGALS3BP
ILMN_1770399	NM_173554.1	C10orf107
ILMN_1705750	NM_004613.2	TGM2

ILMN_1703564	NM_014183.2	DYNLRB1
ILMN_2355971	NM_004493.2	HSD17B10
ILMN_1870658	BX447862	-
ILMN_2368576	NM_003333.3	UBA52
ILMN_2120210	NM_005822.2	RCAN2
ILMN_1808157	NM_138290.1	RUNDC3B
ILMN_2054019	NM_005101.1	ISG15
ILMN_1709067	NM_152486.2	SAMD11
ILMN_1682326	NM_006198.2	PCP4
ILMN_1691926	NM_004493.1	HADH2
ILMN_1735052	NM_003565.1	ULK1
ILMN_1806023	NM_002228.3	JUN
ILMN_1812721	XM_001127981.1	LOC728014
ILMN_1705144	NM_003565.1	ULK1
ILMN_1711699	XM_001127981.1	LOC728014
ILMN_1802615	NM_001259.5	CDK6
ILMN_1699357	NM_003060.2	SLC22A5
ILMN_1719986	NM_052880.3	PIK3IP1
ILMN_2396875	NM_001013398.1	IGFBP3
ILMN_1701613	NM_004585.3	RARRES3
ILMN_1742450	NM_003190.3	TAPBP
ILMN_1786601	NM_002657.2	PLAGL2
ILMN_1766762	NM_014183.2	DYNLRB1
ILMN_1658053	NM_014183.2	DYNLRB1
ILMN_2157435	NM_014183.2	DYNLRB1
ILMN_1701789	NM_001031683.1	IFIT3
ILMN_1714445	NM_001024845.1	SLC6A9
ILMN_1692219	NM_001002814.1	RAB11FIP1
ILMN_2239754	NM_001549.2	IFIT3