Appendix Table 2: 146 probes demonstrating differentially expressed genes (n=126)

Probe ID	Gene symbol	Log fold change
ILMN_1685387	PIGR	1.908687192
ILMN_1728262	SAA2	1.910428023
ILMN_2304512	SAA1	2.169459801
ILMN_1774982	CDC42EP5	1.566881431
ILMN_2333670	RNASE1	1.679505665
ILMN_1729801	S100A8	1.670499099
ILMN_2302757	FCGBP	1.943919635
ILMN_2410612	DMBT1	1.629537274
ILMN_1808713	HSD17B2	1.327248721
ILMN_2157441	HLA-DRA	1.68906112
ILMN_1710428	CDC2	-1.559987425
ILMN_1773337	DKK1	-2.178650315
ILMN_1811387	TFF3	1.772473733
ILMN_1698804	ATP10B	1.750645563
ILMN_2149226	CAV1	-1.325652562
ILMN_3228688	LOC730415	1.385000883
ILMN_1794875	AGPAT9	-1.219992981
ILMN_1666109	MB	1.131571805
ILMN_1772218	HLA-DPA1	1.415618912
ILMN_1702691	TNFAIP3	-1.379216157
ILMN_1726448	MMP1	-1.422746397
ILMN_1762561	PLA2G10	1.039097737
ILMN_1814151	AGR2	1.674677528
ILMN_2392472	CENPA	-1.077094276
ILMN_3235379	LOC100134265	-1.081670567
ILMN_1808071	KIF14	-1.038422939
ILMN_1747911	CDC2	-1.289146365
ILMN_1756992	MUC1	1.153023059
ILMN_1774287	CFB	1.488500264
ILMN_1775703	TRAPPC6A	1.067358334
ILMN_1714730	UBE2C	-1.401054797
ILMN_1701017	SAA1	1.256439784
ILMN_1742981	TUBA1A	-1.250296049
ILMN_1695311	HLA-DMA	1.134602723
ILMN_1659610	TJP3	1.121951543
ILMN_2066066	HLA-DRB6	1.178049066
ILMN_2379644	CD74	1.448195012
ILMN_1774077	GBP2	1.362349597
ILMN_1797154	AZGP1	1.087998085
ILMN_1800091	RARRES1	1.650061138
ILMN_1802819	DEPDC1	-1.10358758

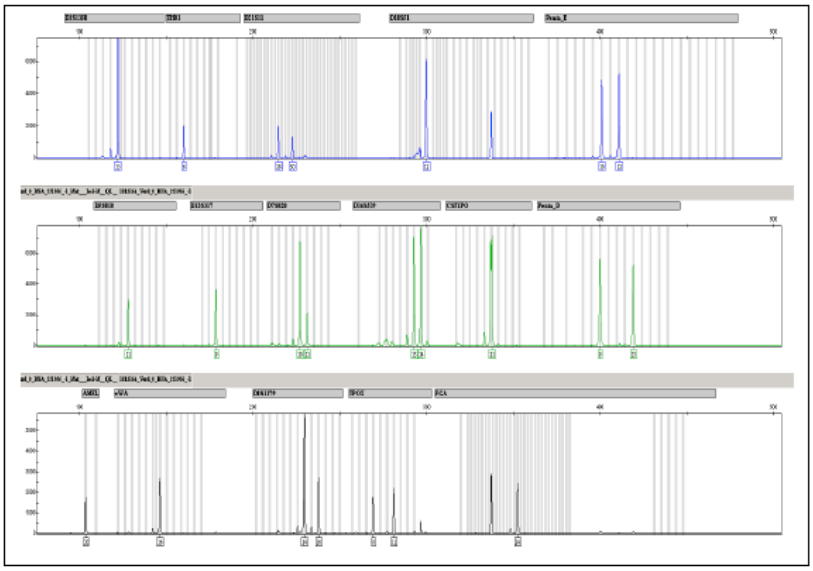
ILMN_1689655	HLA-DRA	1.080510748
ILMN_1736567	CD74	1.307854709
ILMN_2066060	HLA-DRB6	1.034148863
ILMN_1671905	C10orf78	-1.100186328
ILMN_1777564	MAD2L1	-1.154745664
ILMN_1694034	LGALS4	1.162103082
ILMN_1652008	C15orf23	-1.163347978
ILMN_1708778	ASS1	1.536421722
ILMN_2060413	CD24	1.143556495
ILMN_2153495	WNT7B	-1.303982932
ILMN_3307841	AGR2	1.025677408
ILMN_1703906	HJURP	-1.207845653
ILMN_1751776	CKAP2L	-1.101596562
ILMN_2301083	UBE2C	-1.315141731
ILMN_1811472	KIF23	-1.112514542
ILMN_2202948	BUB1	-1.079381119
ILMN_1701424	LAMC2	-1.089839484
ILMN_2219466	APOBEC3B	-1.176315905
ILMN_2395451	ASS1	1.438984321
ILMN_2406035	LAMA3	-1.043843308
ILMN_1737089	CAPN5	1.169184731
ILMN_2371911	MUC1	1.333696615
ILMN_1748970	PRR15L	1.229304935
ILMN_1781386	WIPI1	1.111846419
ILMN_1726720	NUSAP1	-1.166359048
ILMN_1668055	SAA4	1.079162059
ILMN_1685916	KIF2C	-1.075012972
ILMN_1794612	UBA7	1.024852833
ILMN_3265797	LOC100130561	-1.184934332
ILMN_1721868	KPNA2	-1.301119965
ILMN_2070072	RPS7	-1.01554252
ILMN_1796949	TPX2	-1.098242435
ILMN_2141807	C15orf23	-1.045191599
ILMN_1781943	FAM83D	-1.279969974
ILMN_2222008	KIFC1	-1.126399477
ILMN_3209070	LOC341230	1.01479442
ILMN_1734773	PRSS1	1.062801517
ILMN_1686097	TOP2A	-1.380577769
ILMN_1781942	HMMR	-1.117201031
ILMN_1653824	LAMC2	-1.068217219
ILMN_1727360	MAOB	-1.080769706
ILMN_1739645	ANLN	-1.133214508
ILMN_3239771	DLGAP5	-1.130045414
ILMN_1653278	MUC20	1.401079123

ILMN_1737728	CDCA3	-1.314474619
ILMN_1716815	CEACAM1	1.262068707
ILMN_2143155	KIF11	-1.021339423
ILMN_2409298	NUSAP1	-1.048657467
ILMN_1711470	UBE2T	-1.086417823
ILMN_1748840	CALB2	-1.259747956
ILMN_2075334	HIST1H4C	-1.0692062
ILMN_1763907	C6orf173	-1.1536925
ILMN_1701613	RARRES3	1.288842939
ILMN_1747016	CEP55	-1.10164411
ILMN_1810942	CYP3A5	1.168782481
ILMN_1753196	PTTG1	-1.213321382
ILMN_1747546	TSPAN1	1.029251826
ILMN_1677314	MUC1	1.08598793
ILMN_1771538	PSCA	1.331577834
ILMN_1657248	EREG	-1.026416671
ILMN_2374159	HERPUD1	1.009949001
ILMN_1699489	TUBB6	-1.077952553
ILMN_1750974	S100A9	1.099128086
ILMN_1666536	VSIG2	1.113270266
ILMN_1708580	PDZK1IP1	1.228082487
ILMN_1680955	AURKA	-1.033409799
ILMN_1756326	CKS2	-1.092080013
ILMN_1801939	CCNB2	-1.127307659
ILMN_1693192	PI3	1.136693986
ILMN_1763666	ALDH3B2	1.071587793
ILMN_2146761	FABP5	-1.095486141
ILMN_1765701	LOC399942	-1.199405265
ILMN_2338323	CDC25B	-1.059685284
ILMN_2357438	AURKA	-1.01803657
ILMN_1678671	KLHL24	1.077625476
ILMN_1666305	CDKN3	-1.017755178
ILMN_1801257	CENPA	-1.091684252
ILMN_1794190	CCPG1	1.131226533
ILMN_1751444	NCAPG	-1.097314795
ILMN_1728934	PRC1	-1.004312685
ILMN_1738742	PLAT	1.296856117
ILMN_1788874	SERPINA3	1.13943349
ILMN_1741847	MMP10	-1.018898629
ILMN_1786125	CCNA2	-1.029390885
ILMN_2371724	CEACAM1	1.017517756
ILMN_1695658	KIF20A	-1.075294204
ILMN_2116877	OLFM4	1.022057757
ILMN_2196984	OIP5	-1.035788548

ILMN_3220769	LOC729964	-1.024457729
ILMN_2313672	IL1RL1	-1.189049854
ILMN_1654268	HMGB2	-1.070864237
ILMN_1681260	LOC643272	-1.205574595
ILMN_1682015	GAL	-1.289304114
ILMN_2072296	CKS2	-1.042131643
ILMN_2374164	HERPUD1	1.000473533
ILMN_2409220	HMMR	-1.010574617
ILMN_2049021	PTTG3P	-1.081437373
ILMN_1664511	NDC80	-1.18327695
ILMN_1798256	UPP1	-1.096863264
ILMN_1751346	ERBB3	1.026558385
ILMN_1743620	RARRES1	1.177150433
ILMN_1712632	XDH	1.041763855
ILMN_1733904	C20orf114	1.062052588
ILMN_1699521	KIAA1641	1.171767411
ILMN_1881909		-1.057346913

Appendix Figure 1: STR profiling of Capan1 cell line

Powerplex16 Loci	ATCC reference HTB-79	Customer sample Capan1
AMELO	X,X	X,X
D3		15,15
THO1	6,6	6,6
D21		28,30
D18		12,12
PentaE		10,12
D5	11,11	11,11
D13	9,9	9,9
D7	10,11	10,11
D16	13,14	13,14
CSF	11,11	11,11
PentaD		9,13
VWA	16,16	16,16
D8		14,16*
TPOX	8,11	8,11
FGA		24,24



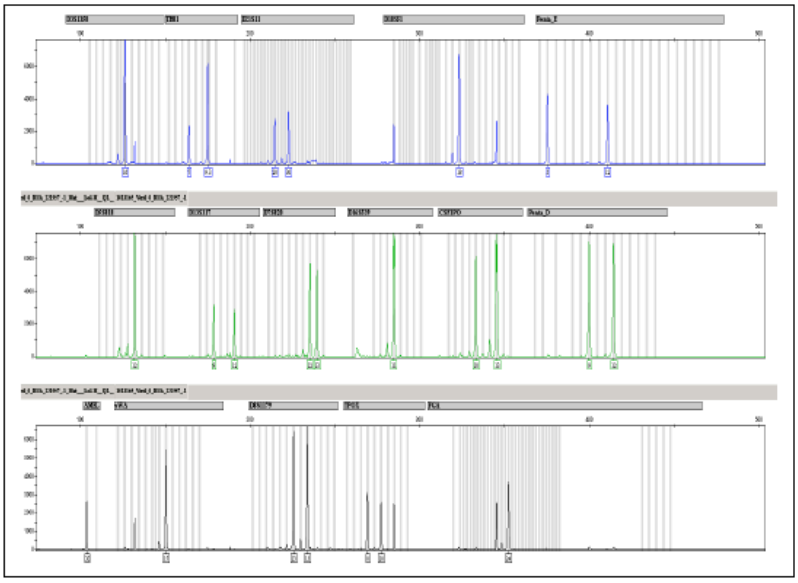
*Peak Area Difference
(n) Below-threshold peak
˙ stutter

NOTE
ATCC use a 9 loci profile, here LGC Standards has profiled those same 9 plus 7 others.
Refer to page 5 for terms used.

Capan1
This profile matches all of the available 9 loci STR profile from ATCC for HTB-79.

Appendix Figure 2: STR profiling of AsPc1 cell line

Powerplex16 Loci	ATCC reference CRL-1682	Customer sample ASPC
AMELO	X,X	X,X
D3		16,16
THO1	7,9.3	7*,9.3
D21		28,30
D18		18,18
PentaE		5,12
D5	12,12	12,12
D13	9,12	9,12
D7	12,13	12,13
D16	11,11	11,11
CSF	10,13	10,13
PentaD		9,12
VWA	17,17	17,17
D8		13,15
TPOX	8,10	8,10
FGA		24,24



*Peak Area Difference
(n) Below-threshold peak
* stutter

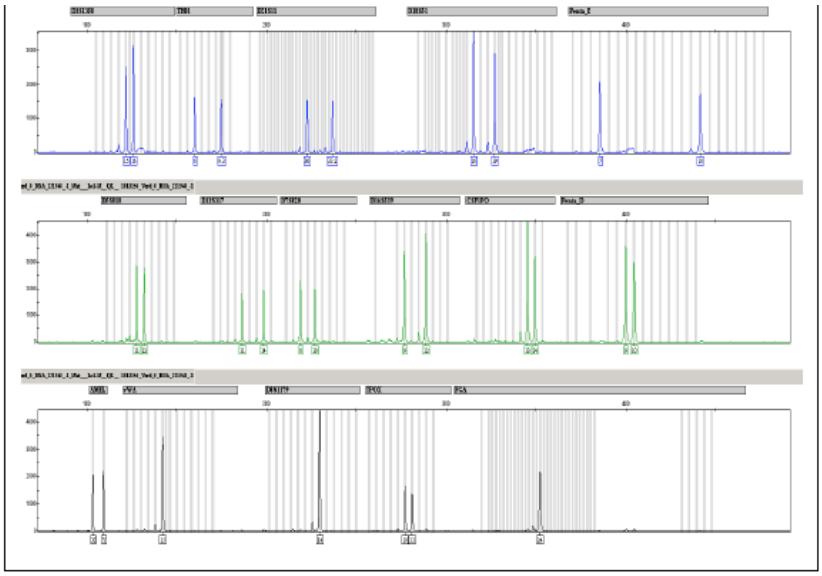
NOTE
ATCC use a 9 loci profile, here LGC Standards has profiled those same 9 plus 7 others.
Refer to page 5 for terms used.

ASPC
This profile matches all of the available 9 loci STR profile from ATCC for CRL-1682.

Appendix Figure 3: STR profiling of DEChTERT cell line

DEChTERT

Powerplex16 Loci	reference	Customer sample DEChTERT
AMELO		X,Y
D3		15,16
THO1		6,9.3
D21		30,33.2
D18		16,19
PentaE		7,18
D5		11,12
D13		11,14
D7		8,10
D16		9,12
CSF		13,14
PentaD		9,10
VWA		15,15
D8		14,14
TPOX		10,11
FGA		24,24

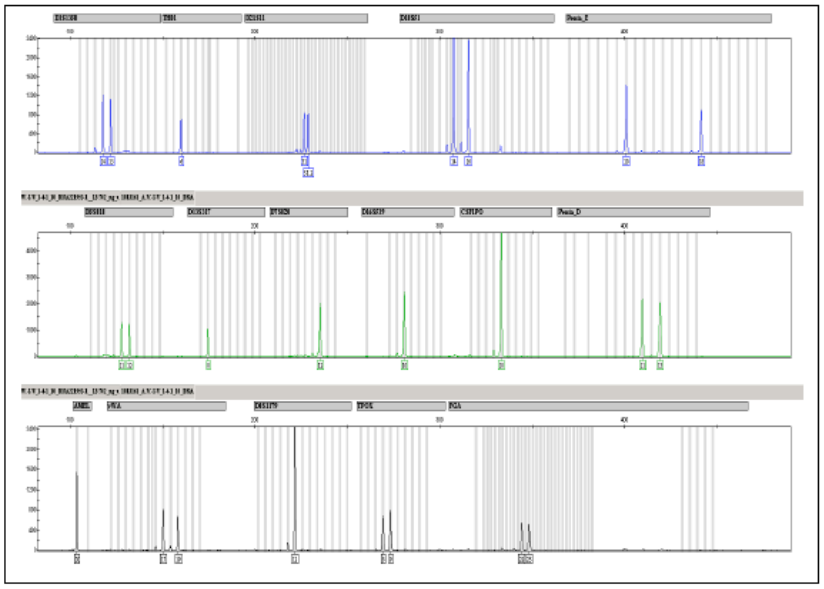


*Peak Area Difference
(n) Below-threshold peak
* stutter

NOTE
ATCC use a 9 loci profile, here LGC Standards has profiled those same 9 plus 7 others.

Appendix Figure 4: STR profiling of HUVEChTERT cell line

Powerplex16 Loci	reference	Customer sample HuVEC hTERT
AMELO		X,X
D3		14,15
THO1		6,6
D21		31,31.2
D18		14,16
PentaE		10,18
D5		11,12
D13		8,8
D7		12,12
D16		10,10
CSF		10,10
PentaD		11,13
VWA		17,19
D8		12,12
TPOX		8,9
FGA		22,23



*Peak Area Difference
(n) Below-threshold peak
^ stutter

NOTE
ATCC use a 9 loci profile, here LGC Standards has profiled those same 9 plus 7 others.
Refer to page 5 for terms used.

HuVEC hTERT
Currently there is no reference profile available for this sample. A database search of approximately 3000 cell lines failed to return a match to this profile suggesting that it is a unique cell line.