

ExProfile™ Human Prostate Cancer Gene qPCR Array

For focused group profiling of human prostate cancer related genes expression

Cat. No. QG077-A (5 x 96-well plate, Format A)

Cat. No. QG077-B (5 x 96-well plate, Format B)

Cat. No. QG077-C (5 x 96-well plate, Format C)

Cat. No. QG077-D (5 x 96-well plate, Format D)

Cat. No. QG077-E (5 x 96-well plate, Format E)

Available as 1 set or 6 sets. Each set contains 412 unique gene primers deposited in five 96-well plates.

Introduction

The ExProfile human prostate gene qPCR array profiles 412 human genes to aberrantly expressed human genes involved in human prostate cancer. These genes are carefully chosen for their close cancer correlation based on a thorough literature search of peer-reviewed publications. Abnormal gene expression is often observed in cancer development and progression. The ExProfile human prostate cancer gene array allows researchers to study the cancer-related genes to gain understanding of their roles in prostate cancer pathogenesis.

- QG077 plate 01: 84 unique gene PCR primer pairs
- QG077 plate 02: 84 unique gene PCR primer pairs
- QG077 plate 03: 84 unique gene PCR primer pairs
- QG077 plate 04: 84 unique gene PCR primer pairs
- QG077 plate 05: 76 unique gene PCR primer pairs

Shipping and storage condition

Shipped at room temperature

Stable for at least 6 months when stored at -20 °C

Array format

GeneCopeia provides five qPCR array formats (A, B, C, D, and E) suitable for use with the following real-time cyclers.

Important note: Upon receiving, please check to make sure that the correct array format was ordered to ensure the compatibility with your qPCR instrument.

Plate format	Instrument provider	qPCR instrument model
A (96-well)	Applied Biosystems	5700, 7000, 7300, 7500, 7700, 7900HT (Standard 96-well block), ViiA™7 (Standard 96-well block)
B (96-well)	Applied Biosystems	7500 (Fast block), 7900HT (Fast block), StepOnePlus™, ViiA™7 (Fast block)
C (96-well)	Bio-Rad Laboratories	iCycler iQ®, MyiQ™, iQ™5
D (96-well)	Bio-Rad Laboratories	CFX96™, DNA Engine Opticon™, DNA Engine Opticon 2™, Chromo4™
E (96-well)	Roche Applied Science	LightCycler® 480 (96-well block)

Quality control

1. Each pair of primers in the ExProfile gene qPCR array has been experimentally validated to yield a single dissociation curve peak and to generate a single amplicon of the correct size for the targeted gene.
2. The positive PCR controls (PCR) have been verified to amplify a single amplicon of the correct size with Ct values around **20±2**.
3. The Spike-in reverse transcription controls (RT) have been verified to amplify a single amplicon of the correct size with Ct values around **20±3**.
4. $R^2 > 0.99$ was observed for high inter/ intra-array reproducibility.

Materials required but not provided

All-in-One™ First-Strand cDNA Synthesis Kit
 All-in-One™ qPCR Mix
 Total RNA extraction kit (RNAzol® RT RNA extraction reagent is recommended)
 DNase/RNase free tips, PCR reaction tubes, 1.5 ml microcentrifuge tubes
 5 ml and 10 ml graduated pipettes, beakers, flasks, and cylinders
 10 µl to 1,000 µl adjustable single channel micropipettes with disposable tips
 5 µl to 20 µl adjustable multichannel micropipette, disposable tips, and reservoir
 qPCR instrument, compatible with gene qPCR arrays ordered

Array layout

	1	2	3	4	5	6	7	8	9	10	11	12
A	AR	VDR	SRD5A2	CYP17A1	CYP1A1	KLK3	ELAC2	RNASEL	TP53	ESR1	CYP19A1	BRCA2
B	MSMB	SOD2	XRCC1	JAZF1	CYP1B1	IGF1	ESR2	CDH1	SLC22A3	MTHFR	IL10	TNF
C	PTGS2	IL6	IGFBP3	LMTK2	VEGFA	CYP3A5	KLK2	COMT	TGFB1	PTEN	NAT2	HSD3B1
D	CYP11A1	NOS3	MDM2	IL8	IL1B	HSD3B2	CHEK2	OGG1	UGT2B15	NAT1	ERCC2	CYP27B1
E	DAB2IP	TLR6	SHBG	AKR1C3	TLR10	TLR1	MTRR	MTR	INS	IGFBP1	IGF2	AMACR
F	ACE	CYP24A1	TGFB1	KLF6	CASP8	XRCC3	SULT1A1	SOD1	CYP3A43	BCL2	CCND1	NUDT11
G	PGR	NKX3-1	MMP9	MLH1	IRS1	HSD17B3	HSD17B1	HIF1A	FGFR4	EGFR	CYP2E1	LHB
H	HGDC	HGDC	GAPDH	ACTB	B2M	RPL13A	HPRT1	RN18S1	RT	RT	PCR	PCR

Figure1. Illustration of QG077 plate 01

	1	2	3	4	5	6	7	8	9	10	11	12
A	ADIPOQ	PER3	COL18A1	SRD5A1	PRL	KLK15	PPARG	PON1	SERPINE1	NPAS2	NBN	MYC
B	MMP2	MMP1	LEP	ITGA6	IL1RN	HSD17B4	HSD17B2	HLA-A	MSH6	GSTM3	FSHR	ERG
C	ERCC4	EPHX1	EGF	CSNK1E	CRY2	PDLIM5	TNRC6B	NQO1	SST	KLK4	ACVR2A	ACVR1
D	TNFRSF10A	CBS	CAV1	NCOA3	XPC	UGT2B7	TYR	TMPRSS2	TLR5	TCF20	SSTR5	SSTR3
E	SSTR2	SLC19A1	SEPP1	CXCL12	CCL5	EEFSEC	KIAA1546	POMC	IRAK4	TNFRSF11B	NOS2A	MSH2
F	MIF	LIG4	LEPR	IRAK1	INHBB	IL4	IL2	IL1A	IGF1R	ID3	APEX1	APC
G	C18orf8	GPX4	NSMCE2	GNRHR	GNAS	TLL1	FSHB	FOLH1	FHIT	FGFR3	ERCC1	CYP2B6
H	HGDC	HGDC	GAPDH	ACTB	B2M	RPL13A	HPRT1	RN18S1	RT	RT	PCR	PCR

Figure2. Illustration of QG077 plate 02

	1	2	3	4	5	6	7	8	9	10	11	12
A	CCR5	TIRAP	PACSIN2	CGA	SSTR4	SSTR1	SOD3	MC2R	LHCGR	IGFALS	POU5F1P1	LOC729230
B	RET	MDC1	CREB5	CLOCK	ATP5J2	GDF15	MAGED1	GSTO1	CD14	XPR1	NDUFA12L	COX7A2L
C	AIFM1	SLC39A13	KALRN	TNFRSF10B	RUNX1	BCAS1	PIK3R3	CASR	CASP7	CASP6	CASP5	CASP4
D	CASP3	CASP1	APOL3	NCOA4	RMI1	LASS4	FTO	USP7	SEMA3B	DAP3	SLC30A2	XRCC4
E	UQCRCF51	UQCRB	TYMS	TUB	TTPA	TLR3	TGFB1	TCN2	TCN1	SULT2A1	BRAF	BNIP3L
F	SLC30A5	SEMA3F	SDHC	SDHB	SDHA	BICD1	CCL2	RYR1	RXRB	RXRA	RPN1	RFC1
G	RELB	RAD52	ZNF462	SORCS2	SLC39A10	CAMK1D	BCCIP	KLK6	KLK7	ECHDC1	HIF1AN	TRPV6
H	HGDC	HGDC	GAPDH	ACTB	B2M	RPL13A	HPRT1	RN18S1	RT	RT	PCR	PCR

Figure3. Illustration of QG077 plate 03

Product Data Sheet

	1	2	3	4	5	6	7	8	9	10	11	12
A	SLC39A9	APTX	EPDR1	PPARBP	PPARA	PODXL	TLR9	ACP2	ATP50	PMS2	PLAU	PKHD1
B	PIP	PIK3R1	PIK3CD	PIK3CA	PIK3C2A	ABCB1	PGK1	ATP5J	ATP5G2	ATP5F1	TLR7	ATP5C1
C	PAH	CHST11	NFKB1	NDUFV3	NDUFV2	NDUFS6	NDUFS4	NDUFS2	NDUFS1	NDUFB9	NDUFB8	NDUFB6
D	NDUFB5	NDUFA10	NDUFA9	NDUFA5	MYH11	MUT	MUC1	MSH3	MRE11A	MPO	MDM4	MARS
E	MAOA	SMAD3	ARHGDIB	KRAS	KLK1	ITGB3	ITGB1	INSR	IL18	IL13	IL8RB	IL8RA
F	IL5	IL2RB	APOE	IGFBP6	IGFBP5	IGFBP4	IGFBP2	HGF	HFE	HADHA	ANXA2	GSTA2
G	PDIA3	NR3C1	ANK2	SLCO1B3	GNB3	GNMT	GHRH	GCNT2	GC	PTPN22	TES	KLK13
H	HGDC	HGDC	GAPDH	ACTB	B2M	RPL13A	HPRT1	RN18S1	RT	RT	PCR	PCR

Figure4. Illustration of QG077 plate 04

	1	2	3	4	5	6	7	8	9	10	11	12
A	KLK5	XRCC6	FRZB	PANX1	ALOX5	ALOX12	FXN	BCL2L13	GSPT2	CASP14	RBM9	SEC14L2
B	ACSL6	SMC5	ZHX2	FH	FASN	ALDH2	FANCD2	F11	AKT1	ERCC6	EPHB2	EMP3
C	AGTR1	AGT	DHFR	COX7B2	SLC30A8	CYP27A1	FAM84B	CYP2D6	CYP2C9	CYP2C19	CX3CR1	PARP1
D	CRY1	HAPLN1	COX7A2	COX6C	SERPINA3	COL4A2	PIK3AP1	FOXP4	KLK8	POLI	LZTS1	FSTL1
E	CHGA	PPARGC1A	ALDH1L1	CD226	SLC30A9	DLC1	MRV1	CDKN2A	RAD50	FMN1	ARMC2	VPS52
F	PSAP	KLK10	UGT1A9	POU1F1	ATBF1	KLK12	KLK14	ARNTL	NXPH1	KLK9	GHRHR	GPRC6A
G	ERCC5	DNMT3B	CYP11B2	KLK11								
H	HGDC	HGDC	GAPDH	ACTB	B2M	RPL13A	HPRT1	RN18S1	RT	RT	PCR	PCR

Figure5. Illustration of QG077 plate 05

- **Gene primer pairs:** 84 wells (A row to G row) are designated for a real-time PCR assay for genes (see the primer list).
- **HK1-6:** Six pre-deposited housekeeping gene (HK1-6) primer pairs, which can be used as endogenous positive controls as well as for array normalization.
- **GDC:** Genomic DNA controls, which can be used to specifically detect genomic DNA contamination with a high level of sensitivity.
- **RT:** Spike-in reverse transcription controls, which can be used to monitor the efficiency of the RT reactions. These pre-deposited primer pairs specifically amplify the cDNA template reversed transcribed from the spike-in control RNA in the sample.
- **PCR:** Positive PCR controls, which are used to verify the PCR efficiency by amplifying the pre-deposited DNA template with its specific pre-deposited primer pairs.

Gene primer list

Plate	Position	Catalog No. of Primer	Accession No. of Gene	Symbol
QG077-01	A01	HQP009801	NM_000044	AR
QG077-01	A02	HQP018474	NM_000376	VDR
QG077-01	A03	HQP017698	NM_000348	SRD5A2
QG077-01	A04	HQP003888	NM_000102	CYP17A1
QG077-01	A05	HQP003772	NM_000499	CYP1A1
QG077-01	A06	HQP009633	NM_001030047	KLK3
QG077-01	A07	HQP016335	NM_018127	ELAC2
QG077-01	A08	HQP016303	NM_021133	RNASEL
QG077-01	A09	HQP018175	NM_000546	TP53
QG077-01	A10	HQP004998	NM_000125	ESR1
QG077-01	A11	HQP003904	NM_000103	CYP19A1
QG077-01	A12	HQP017753	NM_000059	BRCA2
QG077-01	B01	HQP011517	NM_002443	MSMB
QG077-01	B02	HQP017616	NM_000636	SOD2

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QG077-01	B03	HQP018562	NM_006297	XRCC1
QG077-01	B04	HQP005328	NM_175061	JAZF1
QG077-01	B05	HQP003775	NM_000104	CYP1B1
QG077-01	B06	HQP009518	NM_000618	IGF1
QG077-01	B07	HQP005002	NM_001437	ESR2
QG077-01	B08	HQP023466	NM_004360	CDH1
QG077-01	B09	HQP017492	NM_021977	SLC22A3
QG077-01	B10	HQP011547	NM_005957	MTHFR
QG077-01	B11	HQP009685	NM_000572	IL10
QG077-01	B12	HQP018141	NM_000594	TNF
QG077-01	C01	HQP015598	NM_000963	PTGS2
QG077-01	C02	HQP009670	NM_000600	IL6
QG077-01	C03	HQP009544	NM_000598	IGFBP3
QG077-01	C04	HQP005505	NM_014916	LMTK2
QG077-01	C05	HQP018475	NM_001025366	VEGFA
QG077-01	C06	HQP003841	NM_000777	CYP3A5
QG077-01	C07	HQP010101	NM_001002231	KLK2
QG077-01	C08	HQP002671	NM_000754	COMT
QG077-01	C09	HQP018044	NM_000660	TGFB1
QG077-01	C10	HQP015535	NM_000314	PTEN
QG077-01	C11	HQP001136	NM_000015	NAT2
QG077-01	C12	HQP009059	NM_000862	HSD3B1
QG077-01	D01	HQP003871	NM_000781	CYP11A1
QG077-01	D02	HQP011868	NM_000603	NOS3
QG077-01	D03	HQP011135	NM_002392	MDM2
QG077-01	D04	HQP009678	NM_000584	IL8
QG077-01	D05	HQP009641	NM_000576	IL1B
QG077-01	D06	HQP009060	NM_000198	HSD3B2
QG077-01	D07	HQP001396	NM_001005735	CHEK2
QG077-01	D08	HQP012021	NM_002542	OGG1
QG077-01	D09	HQP053916	NM_001076	UGT2B15
QG077-01	D10	HQP023467	NM_000662	NAT1
QG077-01	D11	HQP004976	NM_000400	ERCC2
QG077-01	D12	HQP003923	NM_000785	CYP27B1
QG077-01	E01	HQP003716	NM_032552	DAB2IP
QG077-01	E02	HQP000415	NM_006068	TLR6
QG077-01	E03	HQP053959	NM_001040	SHBG
QG077-01	E04	HQP021385	NM_003739	AKR1C3
QG077-01	E05	HQP019982	NM_001017388	TLR10
QG077-01	E06	HQP018113	NM_003263	TLR1
QG077-01	E07	HQP011555	NM_002454	MTRR
QG077-01	E08	HQP011554	NM_000254	MTR
QG077-01	E09	HQP009749	NM_000207	INS
QG077-01	E10	HQP009539	NM_000596	IGFBP1
QG077-01	E11	HQP009529	NM_000612	IGF2
QG077-01	E12	HQP006261	NM_014324	AMACR
QG077-01	F01	HQP004081	NM_000789	ACE
QG077-01	F02	HQP003917	NM_000782	CYP24A1

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QG077-01	F03	HQP054057	BC071181	TGFBR1
QG077-01	F04	HQP053978	NM_001300	KLF6
QG077-01	F05	HQP018966	NM_001080124	CASP8
QG077-01	F06	HQP018564	NM_005432	XRCC3
QG077-01	F07	HQP017811	NM_177536	SULT1A1
QG077-01	F08	HQP017615	NM_000454	SOD1
QG077-01	F09	HQP017181	NM_022820	CYP3A43
QG077-01	F10	HQP016212	NM_000657	BCL2
QG077-01	F11	HQP016204	NM_053056	CCND1
QG077-01	F12	HQP014148	NM_018159	NUDT11
QG077-01	G01	HQP013099	NM_000926	PGR
QG077-01	G02	HQP011845	NM_006167	NKX3-1
QG077-01	G03	HQP011263	NM_004994	MMP9
QG077-01	G04	HQP011235	NM_000249	MLH1
QG077-01	G05	HQP009788	NM_005544	IRS1
QG077-01	G06	HQP009065	NM_000197	HSD17B3
QG077-01	G07	HQP009064	NM_000413	HSD17B1
QG077-01	G08	HQP008832	NM_181054	HIF1A
QG077-01	G09	HQP005440	NM_022963	FGFR4
QG077-01	G10	HQP004605	NM_005228	EGFR
QG077-01	G11	HQP003817	NM_000773	CYP2E1
QG077-01	G12	HQP010604	NM_000894	LHB
QG077-01	H01	HGDC		
QG077-01	H02	HGDC		
QG077-01	H03	HQP006940	NM_002046	GAPDH
QG077-01	H04	HQP016381	NM_001101	ACTB
QG077-01	H05	HQP015171	NM_004048	B2M
QG077-01	H06	HQP006171	NM_012423	RPL13A
QG077-01	H07	HQP009026	NM_000194	HPRT1
QG077-01	H08	HQP054253	NR_003286	RN18S1
QG077-01	H09	RT		
QG077-01	H10	RT		
QG077-01	H11	PCR		
QG077-01	H12	PCR		
QG077-02	A01	HQP022625	NM_004797	ADIPOQ
QG077-02	A02	HQP021640	NM_016831	PER3
QG077-02	A03	HQP019768	NM_130445	COL18A1
QG077-02	A04	HQP017697	NM_001047	SRD5A1
QG077-02	A05	HQP015024	NM_000948	PRL
QG077-02	A06	HQP014462	NM_017509	KLK15
QG077-02	A07	HQP013633	NM_005037	PPARG
QG077-02	A08	HQP013473	NM_000446	PON1
QG077-02	A09	HQP012154	NM_000602	SERPINE1
QG077-02	A10	HQP011885	NM_002518	NPAS2
QG077-02	A11	HQP011687	NM_002485	NBN
QG077-02	A12	HQP011597	NM_002467	MYC
QG077-02	B01	HQP011256	NM_004530	MMP2
QG077-02	B02	HQP011255	NM_002421	MMP1

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QG077-02	B03	HQP010581	NM_000230	LEP
QG077-02	B04	HQP009774	NM_000210	ITGA6
QG077-02	B05	HQP009645	NM_000577	IL1RN
QG077-02	B06	HQP009067	NM_000414	HSD17B4
QG077-02	B07	HQP009066	NM_002153	HSD17B2
QG077-02	B08	HQP008849	NM_002116	HLA-A
QG077-02	B09	HQP008493	NM_000179	MSH6
QG077-02	B10	HQP008483	NM_000849	GSTM3
QG077-02	B11	HQP006435	NM_000145	FSHR
QG077-02	B12	HQP004988	NM_004449	ERG
QG077-02	C01	HQP004984	NM_005236	ERCC4
QG077-02	C02	HQP004948	NM_000120	EPHX1
QG077-02	C03	HQP004599	NM_001963	EGF
QG077-02	C04	HQP003249	NM_001894	CSNK1E
QG077-02	C05	HQP003084	NM_021117	CRY2
QG077-02	C06	HQP000738	NM_001011515	PDLIM5
QG077-02	C07	HQP005768	NM_001024843	TNRC6B
QG077-02	C08	HQP004317	NM_000903	NQO1
QG077-02	C09	HQP053963	NM_001048	SST
QG077-02	C10	HQP022998	NM_004917	KLK4
QG077-02	C11	HQP022491	NM_001616	ACVR2A
QG077-02	C12	HQP022071	NM_001105	ACVR1
QG077-02	D01	HQP021557	NM_003844	TNFRSF10A
QG077-02	D02	HQP021518	NM_000071	CBS
QG077-02	D03	HQP021313	NM_001753	CAV1
QG077-02	D04	HQP020040	NM_006534	NCOA3
QG077-02	D05	HQP018556	NM_004628	XPC
QG077-02	D06	HQP018418	NM_001074	UGT2B7
QG077-02	D07	HQP018343	NM_000372	TYR
QG077-02	D08	HQP018136	NM_005656	TMPRSS2
QG077-02	D09	HQP018118	NM_003268	TLR5
QG077-02	D10	HQP017971	NM_005650	TCF20
QG077-02	D11	HQP017747	NM_001053	SSTR5
QG077-02	D12	HQP017745	NM_001051	SSTR3
QG077-02	E01	HQP017744	NM_001050	SSTR2
QG077-02	E02	HQP017482	NM_194255	SLC19A1
QG077-02	E03	HQP016819	NM_005410	SEPP1
QG077-02	E04	HQP016670	NM_001033886	CXCL12
QG077-02	E05	HQP016626	NM_002985	CCL5
QG077-02	E06	HQP016357	NM_021937	EEFSEC
QG077-02	E07	HQP013696	NM_017628	KIAA1546
QG077-02	E08	HQP013467	NM_000939	POMC
QG077-02	E09	HQP012441	NM_016123	IRAK4
QG077-02	E10	HQP012049	NM_002546	TNFRSF11B
QG077-02	E11	HQP011866	NM_000625	NOS2A
QG077-02	E12	HQP011491	NM_000251	MSH2
QG077-02	F01	HQP011219	NM_002415	MIF
QG077-02	F02	HQP010613	NM_002312	LIG4

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QG077-02	F03	HQP010584	NM_002303	LEPR
QG077-02	F04	HQP009771	NM_001025242	IRAK1
QG077-02	F05	HQP009744	NM_002193	INHBB
QG077-02	F06	HQP009662	NM_000589	IL4
QG077-02	F07	HQP009649	NM_000586	IL2
QG077-02	F08	HQP009640	NM_000575	IL1A
QG077-02	F09	HQP009523	NM_000875	IGF1R
QG077-02	F10	HQP009282	NM_002167	ID3
QG077-02	F11	HQP009061	NM_001641	APEX1
QG077-02	F12	HQP009024	NM_000038	APC
QG077-02	G01	HQP008588	NM_013326	C18orf8
QG077-02	G02	HQP008285	NM_002085	GPX4
QG077-02	G03	HQP008207	NM_173685	NSMCE2
QG077-02	G04	HQP007781	NM_000406	GNRHR
QG077-02	G05	HQP007755	NM_000516	GNAS
QG077-02	G06	HQP006740	NM_012263	TTL1
QG077-02	G07	HQP006432	NM_000510	FSHB
QG077-02	G08	HQP006129	NM_001014986	FOLH1
QG077-02	G09	HQP005447	NM_002012	FHIT
QG077-02	G10	HQP005434	NM_000142	FGFR3
QG077-02	G11	HQP004975	NM_202001	ERCC1
QG077-02	G12	HQP003808	NM_000767	CYP2B6
QG077-02	H01	HGDC		
QG077-02	H02	HGDC		
QG077-02	H03	HQP006940	NM_002046	GAPDH
QG077-02	H04	HQP016381	NM_001101	ACTB
QG077-02	H05	HQP015171	NM_004048	B2M
QG077-02	H06	HQP006171	NM_012423	RPL13A
QG077-02	H07	HQP009026	NM_000194	HPRT1
QG077-02	H08	HQP054253	NR_003286	RN18S1
QG077-02	H09	RT		
QG077-02	H10	RT		
QG077-02	H11	PCR		
QG077-02	H12	PCR		
QG077-03	A01	HQP002210	NM_000579	CCR5
QG077-03	A02	HQP001674	NM_001039661	TIRAP
QG077-03	A03	HQP001458	NM_007229	PACSIN2
QG077-03	A04	HQP000956	NM_000735	CGA
QG077-03	A05	HQP017746	NM_001052	SSTR4
QG077-03	A06	HQP017743	NM_001049	SSTR1
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QG077-03	A12	HQP054686	NM_001123396	LOC729230
QG077-03	B01	HQP054045	BC004257	RET
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QG077-04	B02	HQP013155	NM_181504	PIK3R1

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QG077-04	D07	HQP011559	NM_001018016	MUC1
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QG077-04	E01	HQP011007	NM_000240	MAOA
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QG077-04	G06	HQP007599	NM_018960	GNMT
QG077-04	G07	HQP007396	NM_021081	GHRH
QG077-04	G08	HQP007282	NM_001491	GCNT2
QG077-04	G09	HQP007230	NM_000583	GC
QG077-04	G10	HQP007113	NM_012411	PTPN22
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QG077-05	A06	HQP006356	NM_000697	ALOX12
QG077-05	A07	HQP006354	NM_000144	FXN
QG077-05	A08	HQP006350	NM_015367	BCL2L13
QG077-05	A09	HQP006322	NM_018094	GSPT2
QG077-05	A10	HQP006233	NM_012114	CASP14
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QG077-05	A12	HQP006189	NM_012429	SEC14L2
QG077-05	B01	HQP005974	NM_001009185	ACSL6
QG077-05	B02	HQP005789	NM_015110	SMC5

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QG077-05	B03	HQP005542	NM_014943	ZHX2
QG077-05	B04	HQP005446	NM_000143	FH
QG077-05	B05	HQP005134	NM_004104	FASN
QG077-05	B06	HQP005087	NM_000690	ALDH2
QG077-05	B07	HQP005084	NM_001018115	FANCD2
QG077-05	B08	HQP005066	NM_000128	F11
QG077-05	B09	HQP004991	NM_001014431	AKT1
QG077-05	B10	HQP004986	NM_000124	ERCC6
QG077-05	B11	HQP004940	NM_017449	EPHB2
QG077-05	B12	HQP004823	NM_001425	EMP3
QG077-05	C01	HQP004522	NM_000685	AGTR1
QG077-05	C02	HQP004494	NM_000029	AGT
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QG077-05	C04	HQP004276	NM_130902	COX7B2
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QG077-05	C11	HQP003691	NM_001337	CX3CR1
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QG077-05	D01	HQP003057	NM_004075	CRY1
QG077-05	D02	HQP003013	NM_001884	HAPLN1
QG077-05	D03	HQP002793	NM_001865	COX7A2
QG077-05	D04	HQP002788	NM_004374	COX6C
QG077-05	D05	HQP002590	NM_001085	SERPINA3
QG077-05	D06	HQP002506	NM_001846	COL4A2
QG077-05	D07	HQP002012	NM_152309	PIK3AP1
QG077-05	D08	HQP001846	NM_001012426	FOXP4
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QG077-05	D10	HQP001399	NM_007195	POLI
QG077-05	D11	HQP001362	NM_021020	LZTS1
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QG077-05	E01	HQP001309	NM_001275	CHGA
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QG077-05	E03	HQP000963	NM_012190	ALDH1L1
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QG077-05	F02	HQP015106	NM_001077500	KLK10

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QG077-05	H09	RT		
QG077-05	H10	RT		
QG077-05	H11	PCR		
QG077-05	H12	PCR		

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