

**Supplementary Table 1: Primer sequences**

<b>Assay</b>	<b>Primer name</b>	<b>Sequence</b>
<b>DAPK MSP</b>	<i>DAPK-MF</i>	GTG TTA TAG GTG GGG CGT TC
	<i>DAPK-MR</i>	CCG ACG CTA CAA ATT CTA CG
	<i>DAPK-UF</i>	TAA TGT GTT ATA GGT GGG GTG TTT
	<i>DAPK-UR</i>	CCA AAC CAAA CAC TAC AAA TTC TAC A
<b>LCK Sequenom</b>	<i>LCK-E28_F5</i>	AGGAAGAGAGGGTTAGGTTAGGAGGATTATGTGAA
	<i>LCK-E28_F3</i>	CAGTAATACGACTCACTATAGGGAGAAGGCTCAACCACAAAAAACTACTACATCCC
<b>LTA Sequenom</b>	<i>LTA_P214_5</i>	AGGAAGAGAGGGGGTAGGAGAGTTTTATTTGTTGT
	<i>LTA_P214_3</i>	CAGTAATACGACTCACTATAGGGAGAAGGCTAAACTCTAAACCTAACCCCACTCC

**Supplementary Table 2: Locus-by-locus results for Parvovirus B19 IgG levels related to individual gene loci on the Illumina GoldenGate Cancer Panel 1.**

<u>RANK</u>	<u>Locus</u>	<u>coefficient</u>	<u>P-value</u>	<u>Q -value</u>
1	PI3_P274_R	-0.204	0.000	0.000
2	LCN2_P86_R	-0.165	0.000	0.020
3	PURA_P928_R	0.051	0.001	0.356
4	TRIP6_P1090_F	-0.210	0.002	0.677
5	LCN2_P141_R	-0.139	0.003	0.677
6	AIM2_P624_F	-0.157	0.003	0.691
7	LCK_E28_F	0.098	0.005	0.918
8	BLK_P14_F	0.155	0.006	0.918
9	PDGFRA_E125_F	-0.119	0.011	0.918
10	MPL_P657_F	0.114	0.013	0.918
11	PECAM1_E32_R	-0.181	0.014	0.918
12	ERCC3_P1210_R	-0.116	0.016	0.918
13	VIM_P811_R	0.018	0.018	0.918
14	RARA_E128_R	0.068	0.024	0.918
15	PRKCDBP_P352_R	-0.132	0.026	0.918
16	DBC1_E204_F	-0.121	0.029	0.918
17	HTR1B_E232_R	-0.120	0.031	0.918
18	LTA_P214_R	0.117	0.034	0.918
19	PSCA_E359_F	0.090	0.035	0.918
20	HS3ST2_E145_R	-0.152	0.036	0.918
21	PI3_P1394_R	0.118	0.037	0.918
22	CCKBR_P480_F	-0.159	0.038	0.918
23	NEFL_P209_R	-0.127	0.039	0.918
24	FGFR2_P266_R	-0.175	0.039	0.918
25	DCC_P471_R	-0.123	0.040	0.918
26	ATP10A_P147_F	0.082	0.041	0.918
27	MT1A_P49_R	-0.188	0.042	0.918
28	PECAM1_P135_F	-0.146	0.044	0.918
29	ALK_E183_R	-0.155	0.044	0.918
30	MT1A_P600_F	-0.135	0.046	0.918