

FusionPlex-HT Pan-Heme

Description

The FusionPlex-HT Pan-Heme panel is a balanced pool of gene-specific primer (GSP) oligonucleotides that is optimized for use with FusionPlex-HT reagents and molecular barcode (MBC) adapters to produce targeted NGS libraries. This product insert should be used in conjunction with FusionPlex-HT protocol for Illumina® (RA-DOC-049).

FusionPlex-HT Pan-Heme contains **1054** GSPs targeting **199** genes commonly mutated in hematological malignancies.

Description	Part number	Storage
FusionPlex-HT Pan-Heme GSP1, 24 reactions or FusionPlex-HT Pan-Heme GSP1, 96 reactions	SA0076241 or SA0076961	
FusionPlex-HT Pan-Heme GSP1, 24 reactions or FusionPlex-HT Pan-Heme GSP1, 96 reactions	SA0076241 or SA0076961	-20°C ± 10°C
10X VCP Primer Mix, 24 reactions or 10X VCP Primer Mix, 96 reactions	SA0840 or SA0841	

Recommended PCR cycling

	Step	Temperature (°C)	Time	Cycles
First PCR reaction	1	95	3 min	1
	2	95	30 sec	15
	3	65	5 min (100% ramp rate)	
	4	72	3 min	
	5	4	Hold	1

Recommended PCR cycling (*cont.*)

	Step	Temperature (°C)	Time	Cycles
Second PCR reaction	1	95	3 min	1
	2	95	30 sec	20 [†]
	3	65	5 min (100% ramp rate)	
	4	72	3 min	1
	5	4	Hold	1

[†]The number of PCR2 cycles may be decreased if you regularly experience library yields greater than 200 nM.

Recommended reads and multiplexing

FusionPlex-HT Pan-Heme libraries should be sequenced to a minimum of **4.5M** reads. Starting read depth recommendations for standard profiling may be adjusted based on user needs.

Archer[™] Analysis settings

Sequencing data should be processed using Archer Analysis (v7, or greater). The FusionPlex-HT Pan-Heme panel requires selection of the **Fusion** pipeline and (optional) **SNV/Indel** pipeline, found under the **RNA** Input Type. See the Archer Analysis User Guide for more details on setting up your analysis.

Processing of FusionPlex-HT Pan-Heme libraries requires a one-time upload of the Custom Panel GTF. Files can be obtained by contacting archer-tech@idtdna.com.

Assay targets

Gene	Accession	Exon	Variant Type	Description*
<i>ABL1</i>	NM_005157	N/A	Mutation	Y253-E255, V299, T315-F317, M351-F359
<i>ABL1</i>	NM_005157	1, 2, 3, 4, 5	Fusion	5'
<i>ABL1</i>	NM_005157	N/A	Expression Imbalance	N/A
<i>ABL2</i>	NM_005158	2, 3, 4, 5, 6, 7, 8	Fusion	5'
<i>AICDA</i>	NM_020661	N/A	Expression	N/A

Gene	Accession	Exon	Variant Type	Description*
<i>AKT3</i>	NM_005465	N/A	Mutation	K172
<i>ALK</i>	NM_004304	N/A	Mutation	T1151-C1156, F1174, L1196-S1206, G1269
<i>ALK</i>	NM_004304	2, 4, 6, 10, 16, 17, 18, 19, 20, 21, 22, 23	Fusion	5'
<i>ASB13</i>	NM_024701	N/A	Expression	N/A
<i>ASXL1</i>	NM_015338	N/A	Mutation	Y591, H630-E635, I641-G646, R693, E1102
<i>BATF3</i>	NM_018664	N/A	Expression	N/A
<i>BAX</i>	NM_138761	N/A	Mutation	G179
<i>BCL11B</i>	NM_138576	3, 4	Fusion	5'
<i>BCL11B</i>	NM_138576	2, 3	Fusion	3'
<i>BCL2</i>	NM_000633	N/A	Mutation	F104
<i>BCL2</i>	NM_000633	N/A	Expression	N/A
<i>BCL2</i>	NM_000633	2	Fusion	5'
<i>BCL2</i>	NM_000633	3	Fusion	3'
<i>BCL2A1</i>	NM_004049	N/A	Expression	N/A
<i>BCL3</i>	NM_005178	N/A	Expression	N/A
<i>BCL6</i>	NM_001706	2, 3	Fusion	5'
<i>BCL6</i>	NM_001706	N/A	Expression	N/A
<i>BCR</i>	NM_004327	1, 2, 3, 8, 12, 13, 14, 15, 16	Fusion	3'
<i>BIRC3</i>	NM_001165	N/A	Mutation	Q547

Gene	Accession	Exon	Variant Type	Description*
<i>BIRC3</i>	NM_001165	4, 5, 6, 7	Fusion	3'
<i>BLNK</i>	NM_013314	N/A	Expression	N/A
<i>BMF</i>	NM_033503	N/A	Expression	N/A
<i>BMP7</i>	NM_001719	N/A	Expression	N/A
<i>BRAF</i>	NM_004333	N/A	Mutation	V600
<i>BTK</i>	NM_000061	N/A	Mutation	C481
<i>CALR</i>	NM_004343	N/A	Mutation	E364-L367, K385
<i>CARD11</i>	NM_032415	N/A	Mutation	D230
<i>CBFB</i>	NM_022845	4, 5	Fusion	3'
<i>CBL</i>	NM_005188	N/A	Mutation	Q367-Y371, L380-C384, C404-W408, R420
<i>CCDC50</i>	NM_174908	N/A	Expression	N/A
<i>CCND1</i>	NM_053056	N/A	Expression	N/A
<i>CCND1</i>	NM_053056	5	Fusion	3'
<i>CCND1</i>	NM_053056	N/A	Mutation	E36, V42-C47
<i>CCND2</i>	NM_001759	N/A	Expression	N/A
<i>CCND3</i>	NM_001760	2	Fusion	5'
<i>CCND3</i>	NM_001760	N/A	Expression	N/A
<i>CD274</i>	NM_014143	N/A	Expression	N/A
<i>CD44</i>	NM_000610	N/A	Expression	N/A

Gene	Accession	Exon	Variant Type	Description*
<i>CD79B</i>	NM_000626	N/A	Mutation	Y196
<i>CDC25A</i>	NM_001789	N/A	Expression	N/A
<i>CDK6</i>	NM_001259	1, 2, 3, 4	Fusion	3'
<i>CDKN2A</i>	NM_000077	N/A	Expression	N/A
<i>CDKN2B</i>	NM_004936	N/A	Expression	N/A
<i>CEBPA</i>	NM_004364	N/A	Mutation	P23-H24, Q83, K304-L317
<i>CEBPA</i>	NM_004364	N/A	Expression	N/A
<i>CEBPD</i>	NM_005195	N/A	Expression	N/A
<i>CEBPE</i>	NM_001805	N/A	Expression	N/A
<i>CEBPG</i>	NM_001806	N/A	Expression	N/A
<i>CHD1</i>	NM_001270	1, 2	Fusion	5'
<i>CHIC2</i>	NM_012110	1, 2, 3	Fusion	3'
<i>CIITA</i>	NM_000246	1, 2	Fusion	3'
<i>CREB3L2</i>	NM_194071	N/A	Expression	N/A
<i>CREBBP</i>	NM_004380	N/A	Mutation	P1053, C1240, R1446, S1680-L1681
<i>CREBBP</i>	NM_004380	2, 3, 4, 5, 6	Fusion	5'
<i>CRLF2</i>	NM_022148	N/A	Mutation	F232
<i>CRLF2</i>	NM_022148	1	Fusion	5'
<i>CRLF2</i>	NM_022148	N/A	Expression	N/A

Gene	Accession	Exon	Variant Type	Description*
<i>CSF1R</i>	NM_005211	9, 10, 11, 12, 13, 14	Fusion	5'
<i>CSF3R</i>	NM_156039	N/A	Mutation	T618, Q766-Q768, Q776
<i>CTLA4</i>	NM_005214	N/A	Expression	N/A
<i>CYB5R2</i>	NM_016229	N/A	Expression	N/A
<i>DCK</i>	NM_000788	N/A	Mutation	A32, E70
<i>DEK</i>	NM_003472	2, 3	Fusion	3'
<i>DENND3</i>	NM_014957	N/A	Expression	N/A
<i>DLEU1</i>	NR_002605	N/A	Expression	N/A
<i>DNM2</i>	NM_004945	N/A	Mutation	V649, L789
<i>DNMT3A</i>	NM_175629	N/A	Mutation	R688-K693, R882
<i>DNMT3B</i>	NM_006892	N/A	Expression	N/A
<i>DNTT</i>	NM_004088	N/A	Expression	N/A
<i>DUSP22</i>	NM_020185	1, 2	Fusion	3'
<i>E2F2</i>	NM_004091	N/A	Expression	N/A
<i>EBF1</i>	NM_024007	10, 11, 12, 13, 14, 15	Fusion	3'
<i>EIF4A1</i>	NM_001416	2, 3	Fusion	5'
<i>ENTPD1</i>	NM_001776	N/A	Expression	N/A
<i>EPOR</i>	NM_000121	7, 8	Fusion	3'
<i>ERG</i>	NM_004449	7, 8, 9, 10, 11	Fusion	5'

Gene	Accession	Exon	Variant Type	Description*
<i>ETV6</i>	NM_001987	N/A	Mutation	Y104-R105
<i>ETV6</i>	NM_001987	1, 2, 3, 4, 5, 6	Fusion	3'
<i>ETV6</i>	NM_001987	2, 3, 4, 5, 6	Fusion	5'
<i>EXOC2</i>	NM_018303	N/A	Expression	N/A
<i>EZH2</i>	NM_004456	N/A	Mutation	Y646, R690
<i>FAM216A</i>	NM_013300	N/A	Expression	N/A
<i>FBXW7</i>	NM_033632	N/A	Mutation	R224-T226, R338-I347, T385, R465, R479, R505
<i>FGFR1</i>	NM_023110	12, 17	Fusion	3'
<i>FGFR1</i>	NM_023110	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 17	Fusion	5'
<i>FGFR2</i>	NM_000141	N/A	Mutation	R6
<i>FGFR3</i>	NM_000142	N/A	Mutation	Y373, K650
<i>FLT3</i>	NM_004119	N/A	Mutation	F590-N609, D835-S838
<i>FLT3</i>	NM_004119	N/A	Expression	N/A
<i>FOXP1</i>	NM_032682	N/A	Expression	N/A
<i>FUT8</i>	NM_004480	N/A	Expression	N/A
<i>GATA1</i>	NM_002049	N/A	Mutation	M1, S30, Y62-D65
<i>GATA2</i>	NM_032638	N/A	Mutation	A318-L321, R362
<i>GLIS2</i>	NM_032575	2, 3	Fusion	5'
<i>GNAS</i>	NM_000516	N/A	Mutation	D323

Gene	Accession	Exon	Variant Type	Description*
<i>HOXA10</i>	NR_037939	N/A	Expression	N/A
<i>HOXA10</i>	NM_018951	N/A	Expression	N/A
<i>HOXA9</i>	NM_152739	N/A	Expression	N/A
<i>ID4</i>	NM_001546	N/A	Expression	N/A
<i>IDH1</i>	NM_005896	N/A	Mutation	R132
<i>IDH2</i>	NM_002168	N/A	Mutation	R140, R172
<i>IKZF1</i>	NM_006060	1, 2, 3	Exon Skipping	3'
<i>IKZF1</i>	NM_006060	7, 8	Exon Skipping	5'
<i>IKZF2</i>	NM_016260	3, 4	Fusion	3'
<i>IKZF3</i>	NM_012481	2, 3, 4, 5, 6, 7	Fusion	3'
<i>IKZF3</i>	NM_012481	N/A	Mutation	L162
<i>IL16</i>	NM_004513	N/A	Expression	N/A
<i>IL7R</i>	NM_002185	N/A	Mutation	S185, P240-S246
<i>IRF4</i>	NM_002460	N/A	Expression	N/A
<i>IRF8</i>	NM_002163	N/A	Expression	N/A
<i>ITPKB</i>	NM_002221	N/A	Expression	N/A
<i>JAK1</i>	NM_002227	N/A	Mutation	V658, S703, R724
<i>JAK2</i>	NM_004972	N/A	Mutation	F537-F547, V617-C618, L681-R683, L855, V863, A880, V911, M929-R938, I960, R980-E985, D994

Gene	Accession	Exon	Variant Type	Description*
<i>JAK2</i>	NM_004972	6, 7, 8, 9, 10, 11, 12, 13, 15, 16, 17, 18, 19, 20	Fusion	5'
<i>JAK2</i>	NM_004972	9, 10, 11, 12	Fusion	3'
<i>JAK3</i>	NM_000215	N/A	Mutation	M511, A572-A573, R657, S789
<i>KAT6A</i>	NM_006766	13, 14, 15, 16	Fusion	3'
<i>KDM6A</i>	NM_021140	N/A	Mutation	V1113
<i>KIAA0101</i>	NM_014736	N/A	Expression	N/A
<i>KIT</i>	NM_000222	N/A	Mutation	T417-D419, T670, R796, D816, N822-V825
<i>KLF2</i>	NM_016270	2, 3	Fusion	5'
<i>KMT2A</i>	NM_005933	2, 3	Fusion	5'
<i>KMT2A</i>	NM_005933	4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35	Fusion	3'
<i>KRAS</i>	NM_004985	N/A	Mutation	G12-G13, Q61, A146
<i>LIMD1</i>	NM_014240	N/A	Expression	N/A
<i>LMO1</i>	NM_002315	N/A	Expression	N/A
<i>LMO2</i>	NM_005574	N/A	Expression	N/A
<i>LRMP</i>	NM_006152	N/A	Expression	N/A
<i>LYL1</i>	NM_005583	N/A	Expression	N/A
<i>LZTS1</i>	NM_021020	N/A	Expression	N/A
<i>MAL</i>	NM_002371	N/A	Expression	N/A

Gene	Accession	Exon	Variant Type	Description*
<i>MALT1</i>	NM_006785	9	Fusion	3'
<i>MAML3</i>	NM_018717	N/A	Expression	N/A
<i>MECOM</i>	NM_004991	N/A	Expression	N/A
<i>MECOM</i>	NM_004991	1, 2, 3, 4	Fusion	5'
<i>MKL1</i>	NM_020831	4, 5, 6	Fusion	5'
<i>MLF1</i>	NM_022443	2, 3, 4	Fusion	5'
<i>MLLT10</i>	NM_004641	2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18	Fusion	5'
<i>MLLT10</i>	NM_004641	7, 8, 9, 10	Fusion	3'
<i>MLLT4</i>	NM_001040000	2	Fusion	5'
<i>MME</i>	NM_000902	N/A	Expression	N/A
<i>MPL</i>	NM_005373	N/A	Mutation	S505, W515
<i>MUC1</i>	NM_002456	N/A	Expression	N/A
<i>MYBL1</i>	NM_001080416	N/A	Expression	N/A
<i>MYC</i>	NM_002467	N/A	Expression	N/A
<i>MYC</i>	NM_002467	1, 2	Fusion	5'
<i>MYD88</i>	NM_002468	N/A	Mutation	V217-S219, M232, S243, L265
<i>MYH11</i>	NM_002474	N/A	Expression Imbalance	N/A
<i>MYH11</i>	NM_002474	7, 8, 9, 10, 11, 14, 15, 16	Fusion	5'
<i>NEK6</i>	NM_014397	N/A	Expression	N/A

Gene	Accession	Exon	Variant Type	Description*
<i>NF1</i>	NM_000267	14	Fusion	3'
<i>NF1</i>	NM_000267	36	Fusion	5'
<i>NFKB1</i>	NM_003998	N/A	Expression	N/A
<i>NFKB2</i>	NM_002502	14, 15, 16, 17, 18, 19, 20, 21	Fusion	3'
<i>NME1</i>	NM_000269	N/A	Expression	N/A
<i>NOTCH1</i>	NM_017617	N/A	Mutation	L1574, V1578, L1585, F1592-L1593, R1598-L1600, L1678-I1680, P2514-E2515, P2525
<i>NOTCH1</i>	NM_017617	24	Fusion	3'
<i>NOTCH1</i>	NM_017617	24, 25, 26, 27, 28, 29	Fusion	5'
<i>NOTCH1</i>	NM_017617	34	Exon Skipping	N/A
<i>NOTCH2</i>	NM_024408	N/A	Mutation	R2400
<i>NPM1</i>	NM_002520	N/A	Mutation	W288-W290
<i>NRAS</i>	NM_002524	N/A	Mutation	G12-G13, G60-Q61
<i>NT5C2</i>	NM_012229	N/A	Mutation	R238, R367
<i>NTRK3</i>	NM_002530	N/A	Expression Imbalance	N/A
<i>NTRK3</i>	NM_002530	13, 14, 15	Fusion	5'
<i>NTRK3</i>	NM_001007156	15	Fusion	5'
<i>NUP214</i>	NM_005085	17, 18, 19	Fusion	5'
<i>NUP98</i>	NM_016320	12, 13	Fusion	5'
<i>NUP98</i>	NM_016320	8, 9, 10, 11, 12, 13, 14, 15, 16, 17	Fusion	3'

Gene	Accession	Exon	Variant Type	Description*
<i>P2RY8</i>	NM_178129	1	Fusion	3'
<i>PAG1</i>	NM_018440	2	Fusion	5'
<i>PAICS</i>	NM_006452	N/A	Expression	N/A
<i>PAX5</i>	NM_016734	N/A	Mutation	P80
<i>PAX5</i>	NM_016734	1, 4, 5, 6, 7, 8	Fusion	3'
<i>PAX5</i>	NM_016734	6, 7, 8	Fusion	5'
<i>PBX1</i>	NM_002585	1, 2, 3, 4, 5, 6, 7, 8, 9	Fusion	5'
<i>PDCD1</i>	NM_005018	N/A	Expression	N/A
<i>PDCD1LG2</i>	NM_025239	N/A	Expression	N/A
<i>PDCD1LG2</i>	NM_025239	1, 2, 3	Fusion	5'
<i>PDCD1LG2</i>	NM_025239	5, 6	Fusion	3'
<i>PDGFRA</i>	NM_006206	N/A	Mutation	T674
<i>PDGFRA</i>	NM_006206	9, 10, 11, 12, 13, 14	Fusion	5'
<i>PDGFRB</i>	NM_002609	8, 9, 10, 11, 12, 13, 14	Fusion	5'
<i>PHF6</i>	NM_032458	N/A	Mutation	R116, R274-G275, I314-R319
<i>PICALM</i>	NM_007166	16, 17, 18, 19	Fusion	3'
<i>PIM1</i>	NM_002648	N/A	Expression	N/A
<i>PIM2</i>	NM_006875	N/A	Expression	N/A
<i>PLCG1</i>	NM_002660	N/A	Mutation	S345

Gene	Accession	Exon	Variant Type	Description*
<i>PLCG2</i>	NM_002661	N/A	Mutation	R665, L845
<i>PML</i>	NM_002675	N/A	Mutation	C212-S220
<i>PML</i>	NM_002675	2	Fusion	5'
<i>PML</i>	NM_002675	2, 3, 4, 5, 6,7	Fusion	3'
<i>PPAT</i>	NM_002703	N/A	Expression	N/A
<i>PRDM16</i>	NM_022114	1, 2, 3, 4	Fusion	5'
<i>PRKAR2B</i>	NM_002736	N/A	Expression	N/A
<i>PTK2B</i>	NM_173176	2, 3, 4, 5, 6, 7, 8	Fusion	5'
<i>PTPN1</i>	NM_002827	N/A	Expression	N/A
<i>PTPN11</i>	NM_002834	N/A	Mutation	G60-D61, E69-T73, E76, S502-G503
<i>PYCR1</i>	NM_006907	N/A	Expression	N/A
<i>RAB29</i>	NM_003929	N/A	Expression	N/A
<i>RAG1</i>	NM_000448	N/A	Expression	N/A
<i>RAG2</i>	NM_000536	N/A	Expression	N/A
<i>RANBP1</i>	NM_002882	N/A	Expression	N/A
<i>RARA</i>	NM_000964	N/A	Mutation	E197, R272, T283-M284, L290-M297, R394, Q411
<i>RARA</i>	NM_000964	N/A	Expression Imbalance	N/A
<i>RARA</i>	NM_000964	2, 3, 4, 5	Fusion	5'
<i>RBM15</i>	NM_022768	1	Fusion	3'

Gene	Accession	Exon	Variant Type	Description*
<i>RHOA</i>	NM_001664	N/A	Mutation	G17
<i>ROS1</i>	NM_002944	N/A	Expression Imbalance	N/A
<i>ROS1</i>	NM_002944	31, 32, 33, 34, 35, 36	Fusion	5'
<i>RUNX1</i>	NM_001754	2, 3, 4, 5, 6, 7, 8	Fusion	3'
<i>RUNX1</i>	NM_001754	5, 6, 7, 8, 9	Fusion	5'
<i>RUNX1</i>	NM_001754	N/A	Expression Imbalance	N/A
<i>RUNX1T1</i>	NM_001198679	N/A	Expression Imbalance	N/A
<i>RUNX1T1</i>	NM_001198679	2, 3	Fusion	5'
<i>S1PR2</i>	NM_004230	N/A	Expression	N/A
<i>SEMA6A</i>	NM_020796	1, 2	Fusion	3'
<i>SERPINA9</i>	NM_175739	N/A	Expression	N/A
<i>SETBP1</i>	NM_015559	N/A	Mutation	D868-I871
<i>SETD2</i>	NM_014159	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12	Fusion	3'
<i>SF3B1</i>	NM_012433	N/A	Mutation	E622-N626, H662-K666, K700, G742
<i>SH2B3</i>	NM_005475	N/A	Mutation	E208, D231-D234
<i>SH3BP5</i>	NM_004844	N/A	Expression	N/A
<i>SLC29A1</i>	NM_001078175	N/A	Mutation	Y11, P419
<i>SOX11</i>	NM_003108	N/A	Expression	N/A
<i>SRSF2</i>	NM_003016	N/A	Mutation	P95

Gene	Accession	Exon	Variant Type	Description*
<i>STAT3</i>	NM_003150	N/A	Mutation	Y640-N647, D661
<i>STAT5B</i>	NM_012448	N/A	Mutation	N642
<i>STAT6</i>	NM_003153	N/A	Mutation	D419
<i>STIL</i>	NM_003035	1, 2	Fusion	3'
<i>STRBP</i>	NM_018387	N/A	Expression	N/A
<i>TAL1</i>	NM_003189	N/A	Expression	N/A
<i>TAL1</i>	NM_001290404	2, 3	Fusion	5'
<i>TAL1</i>	NM_003189	2, 4	Fusion	5'
<i>TCF3</i>	NM_003200	11, 12, 13, 14, 15, 16, 17, 18	Fusion	3'
<i>TFG</i>	NM_006070	2, 3, 4	Fusion	3'
<i>TLX1</i>	NM_005521	N/A	Expression	N/A
<i>TLX3</i>	NM_021025	N/A	Expression	N/A
<i>TNFRSF13B</i>	NM_012452	N/A	Expression	N/A
<i>TNFSF4</i>	NM_003326	N/A	Expression	N/A
<i>TP63</i>	NM_003722	3, 4, 5	Fusion	5'
<i>TYK2</i>	NM_003331	16, 18	Fusion	5'
<i>TYK2</i>	NM_003331	N/A	Mutation	W327
<i>U2AF1</i>	NM_006758	N/A	Mutation	S34, R156-Q157
<i>WT1</i>	NM_000378	N/A	Mutation	Q301-T303, G352-Q354, V359-T365, Q445-F448

Gene	Accession	Exon	Variant Type	Description*
<i>WT1</i>	NM_000378	N/A	Expression	N/A
<i>XPO1</i>	NM_003400	N/A	Mutation	E571
<i>ZCCHC7</i>	NM_032226	1, 2	Fusion	3'
<i>ZCCHC7</i>	NM_032226	2, 3, 4	Fusion	5'

*The mutations listed under the Description column are targeted by the assay design. Version 6.2 and earlier of Archer Analysis may not support RNA SNV/Indel variant calling at exon junctions depending on the sequence context (SNVs ≤5bp, indels ≤30bp). *De Novo* RNA SNV/Indel and Internal Tandem Duplication mutation detection are not supported on the Ion Torrent Sequencing System.

Note: Fusions involving BCR and TCR loci, including IGH, IGL and IGK, are targeted for expression and may not be explicitly called as a fusion because these often do not result in chimeric transcripts. For the “Expression” assay type, unique molecules originating from probes across these genes can be counted and normalized to target control genes to enable relative expression level detection. Results are visualized in Archer Analysis.

SNPs and sites targeted for sample tracking

rs560681	rs430046	rs987640	rs10776839	rs12393891
rs740598	rs8078417	rs6444724	rs6530357	chrX 4429309
rs1498553	rs9951171	rs6811238	rs5971553	chrX 11314433
rs10773760	rs576261	rs13182883	rs5953060	chrY 6738552
rs1058083	rs1109037	rs214955	rs6524626	chrY 19490214
rs4530059	rs1523537	rs321198	rs5940270	
rs1821380	rs221956	rs4606077	rs722847	

SNPs may be used in combination to uniquely tag and track samples over time. Contact archer-tech@idtdna.com for further details.



Product Insert

FusionPlex™-HT Pan-Heme panel

Limitations of use

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Safety data sheets pertaining to this product are available upon request.

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