

Supplementary Table 6. Differentially methylated probes in RAS pathway mutant versus wild-type FN tumors

Probe	RAS.P.mut.mean	RAS.P.wt.mean	Mean.diff	Adjusted.P.value	Promoter.related.gene	Category
cg10872445	0.639	0.296	0.343	0.025	NA	Hypermethylated in RAS.P mut vs wt FN
cg14434870	0.581	0.277	0.304	0.026	NA	Hypermethylated in RAS.P mut vs wt FN
cg23697410	0.394	0.132	0.262	0.044	NA	Hypermethylated in RAS.P mut vs wt FN
cg26090775	0.196	0.582	-0.385	0.007	NA	Hypomethylated in RAS.P mut vs wt FN
cg07190012	0.186	0.530	-0.345	0.009	NA	Hypomethylated in RAS.P mut vs wt FN
cg08329754	0.273	0.586	-0.313	0.009	NA	Hypomethylated in RAS.P mut vs wt FN
cg13691961	0.329	0.602	-0.273	0.012	NA	Hypomethylated in RAS.P mut vs wt FN
cg15374435	0.155	0.537	-0.382	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg02928365	0.226	0.530	-0.303	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg02713162	0.245	0.582	-0.336	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg22466678	0.238	0.605	-0.366	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg05589489	0.284	0.690	-0.406	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg08113628	0.342	0.675	-0.333	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg14959707	0.315	0.587	-0.272	0.015	ZC3H7A	Hypomethylated in RAS.P mut vs wt FN
cg05403689	0.419	0.783	-0.363	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg26912671	0.275	0.656	-0.382	0.015	PDE4B	Hypomethylated in RAS.P mut vs wt FN
cg26635451	0.327	0.670	-0.343	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg08951638	0.166	0.428	-0.262	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg08802841	0.281	0.672	-0.391	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg20711695	0.428	0.722	-0.294	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg15296664	0.364	0.715	-0.351	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg09044868	0.325	0.693	-0.367	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg22041228	0.134	0.447	-0.312	0.015	NA	Hypomethylated in RAS.P mut vs wt FN
cg13519918	0.282	0.642	-0.360	0.018	NA	Hypomethylated in RAS.P mut vs wt FN
cg26277026	0.380	0.647	-0.268	0.018	NA	Hypomethylated in RAS.P mut vs wt FN

Supplementary Table 6 (continued)

Probe	RAS.P.mut.mean	RAS.P.wt.mean	Mean.diff	Adjusted.P.value	Promoter.related.gene	Category
cg11542394	0.482	0.744	-0.261	0.018	ALDH1A3	Hypomethylated in RAS.P mut vs wt FN
cg20769997	0.354	0.640	-0.286	0.018	NA	Hypomethylated in RAS.P mut vs wt FN
cg03794617	0.324	0.622	-0.298	0.020	NA	Hypomethylated in RAS.P mut vs wt FN
cg26065534	0.528	0.799	-0.271	0.020	NA	Hypomethylated in RAS.P mut vs wt FN
cg18698884	0.443	0.738	-0.295	0.020	NA	Hypomethylated in RAS.P mut vs wt FN
cg18864124	0.349	0.609	-0.260	0.020	NA	Hypomethylated in RAS.P mut vs wt FN
cg07179669	0.155	0.484	-0.330	0.022	NA	Hypomethylated in RAS.P mut vs wt FN
cg03173528	0.277	0.567	-0.289	0.023	NA	Hypomethylated in RAS.P mut vs wt FN
cg22369786	0.143	0.410	-0.267	0.023	NA	Hypomethylated in RAS.P mut vs wt FN
cg06000878	0.221	0.508	-0.287	0.023	NA	Hypomethylated in RAS.P mut vs wt FN
cg14387312	0.286	0.570	-0.284	0.023	NA	Hypomethylated in RAS.P mut vs wt FN
cg14082739	0.361	0.616	-0.256	0.024	NA	Hypomethylated in RAS.P mut vs wt FN
cg26277599	0.303	0.562	-0.259	0.029	NA	Hypomethylated in RAS.P mut vs wt FN
cg14651210	0.357	0.616	-0.258	0.031	NA	Hypomethylated in RAS.P mut vs wt FN
cg22698272	0.278	0.573	-0.296	0.032	NA	Hypomethylated in RAS.P mut vs wt FN
cg23191950	0.385	0.690	-0.305	0.033	ALDH1A3	Hypomethylated in RAS.P mut vs wt FN
cg21038418	0.446	0.720	-0.274	0.034	NA	Hypomethylated in RAS.P mut vs wt FN
cg25939380	0.299	0.601	-0.302	0.034	NA	Hypomethylated in RAS.P mut vs wt FN
cg01093028	0.447	0.779	-0.332	0.036	NA	Hypomethylated in RAS.P mut vs wt FN
cg17943647	0.333	0.593	-0.260	0.039	TRIM2	Hypomethylated in RAS.P mut vs wt FN
cg23235067	0.344	0.642	-0.297	0.039	NA	Hypomethylated in RAS.P mut vs wt FN
cg13307782	0.378	0.681	-0.304	0.043	NA	Hypomethylated in RAS.P mut vs wt FN
cg09884146	0.170	0.452	-0.282	0.045	SPRED2	Hypomethylated in RAS.P mut vs wt FN
cg00743540	0.484	0.768	-0.284	0.047	NA	Hypomethylated in RAS.P mut vs wt FN
cg11469308	0.304	0.568	-0.264	0.047	NA	Hypomethylated in RAS.P mut vs wt FN
cg23735290	0.364	0.628	-0.264	0.048	NA	Hypomethylated in RAS.P mut vs wt FN