

Supplementary Table S2. Molecular characteristics of patients' tumors and response to cetuximab

SAMPLE	GRAFT	MUTATIONAL STATUS						COPY NUMBER (estimated copies)	EXPRESSION (L2R to median)			RESPONSE TO TREATMENT (% of baseline volume) CETUXIMAB	
		Microsatellite Instability	KRAS	BRAF	NRAS	PIK3CA	Confirmed in Xeno		EGFR	AREG	EREG	HER2	3WKS
M001	yes	n.d.	A146V	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M002	yes	n.d.	G12C	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M003	no	n.d.	WT	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M004	yes	stable	A146T	WT	WT	WT	n.d.	1.5	0.54	0.64	0.55	2.11	n.d.
M005	yes	stable	WT	WT	WT	WT	YES	4.69	-1.82	-1.77	-0.05	-0.33	-0.7
M006	yes	stable	WT	WT	WT	WT	n.d.	1.97	2.77	2.4	0.97	-0.4	-0.7
M007	yes	stable	G12V	WT	WT	E545K	n.d.	n.d.	n.d.	n.d.	n.d.	2.05	n.d.
M008	no	n.d.	WT	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M009	yes	n.d.	WT	WT	WT	WT	YES	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M010	yes	stable	nd	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	0.05	0.12
M011	no	n.d.	WT	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M012	yes	stable	G12A	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	-0.11	0.4
M013	yes	stable	WT	WT	WT	WT	n.d.	3.03	1.35	1.19	0.82	-0.64	-0.77
M014	yes	stable	G12V	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	2.17	n.d.
M015	yes	stable	WT	WT	WT	WT	n.d.	2.55	-1.4	-2.91	-0.73	0.97	n.d.
M016	yes	stable	WT	WT	WT	H1047R	YES	3.41	-0.14	-0.05	-0.36	-0.64	-0.88
M017	yes	stable	G12V	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	0.84	n.d.
M018	yes	stable	WT	WT	Q61K	WT	n.d.	2.21	0.38	0.22	0.7	2.56	n.d.
M019	yes	stable	WT	WT	Q61K	WT	YES	2.52	-0.2	1.45	-0.46	3.11	n.d.
M020	yes	stable	G12V	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	2.88	n.d.
M021	yes	stable	WT	WT	Q61K	WT	n.d.	2.69	-0.22	0.25	-0.11	1.96	n.d.
M022	yes	n.d.	WT	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M023	yes	stable	G13C	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	3.05	n.d.
M024	yes	stable	WT	WT	WT	WT	n.d.	2.15	-3.81	-6.96	-0.9	0.73	n.d.
M025	yes	stable	G12D	WT	WT	H1047R	n.d.	n.d.	n.d.	n.d.	n.d.	2.78	n.d.
M026	yes	stable	WT	WT	WT	WT	n.d.	2.47	-2.35	-2.68	-0.93	-0.4	-0.47
M027	yes	stable	WT	WT	WT	WT	n.d.	3.5	-0.44	0.04	n.d.	-0.31	-0.36
M028	yes	stable	WT	WT	WT	WT	n.d.	2.59	2.86	2.92	-0.65	-0.13	-0.09
M029	yes	stable	WT	WT	G12C	WT	n.d.	1.99	0.33	0.74	-0.75	0.46	0.6
M030	yes	stable	WT	WT	WT	WT	n.d.	2.39	-1.21	-0.95	n.d.	1.46	n.d.
M031	yes	stable	WT	WT	WT	WT	n.d.	3.92	0.07	-0.31	-0.17	-0.57	-0.66

M032	yes	stable	G12D	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	2.02	n.d.
M033	no	n.d.	WT	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M034	yes	stable	G13D	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	0.2	1.72
M035	yes	stable	G13D	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	0.62	n.d.
M036	yes	stable	G13D	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	1.52	n.d.
M037	yes	stable	G12C	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	1.65	n.d.
M038	yes	stable	WT	WT	WT	WT	n.d.	3.97	2.51	2.69	-0.24	0.24	1.33
M039	yes	unstable	WT	V600E	WT	WT	n.d.	2.65	-3.12	-2.96	-1.26	2.35	n.d.
M040	yes	stable	WT	WT	WT	WT	n.d.	3.05	0.48	0.59	0.14	0.07	-0.06
M041	yes	n.d.	G12D	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M042	yes	stable	G12D	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	0.89	n.d.
M043	yes	stable	G12C	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	0.43	n.d.
M044	yes	stable	WT	WT	WT	WT	n.d.	4.24	0.8	-0.27	-0.56	0.05	-0.02
M045	yes	stable	WT	WT	WT	WT	n.d.	2.57	2.81	3.84	n.d.	-0.72	-0.92
M046	yes	stable	WT	WT	WT	WT	n.d.	6.06	-0.04	0.37	-0.24	-0.52	-0.82
M047	yes	stable	G12V	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	1.46	n.d.
M048	yes	stable	G13D	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	0.41	n.d.
M049	yes	stable	WT	WT	WT	WT	n.d.	3.43	-0.01	0.47	0.31	-0.02	-0.4
M050	yes	stable	WT	V600E	WT	WT	n.d.	2.58	-0.25	-0.73	-0.37	2	n.d.
M051	yes	stable	WT	WT	WT	WT	n.d.	1.58	-0.46	0.2	1.56	1.5	n.d.
M052	yes	stable	WT	WT	WT	WT	n.d.	1.8	2	2.56	0.73	0.35	0.89
M053	yes	stable	WT	WT	WT	WT	n.d.	3.45	0.43	-0.32	1.06	-0.22	0.06
M054	yes	stable	G13D	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	0.6	n.d.
M055	no	n.d.	nd	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M056	no	n.d.	WT	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M057	yes	stable	A146T	WT	WT	E545K	n.d.	1.77	-2.12	-3.39	-0.31	1.13	n.d.
M058	no	n.d.	WT	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M059	yes	stable	G12C	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	0.72	n.d.
M060	yes	n.d.	WT	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M061	yes	n.d.	G12V	WT	WT	WT	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M062	yes	stable	WT	WT	WT	WT	n.d.	4.03	0.95	2.26	1.27	-0.32	0.18
M063	no	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.	n.d.
M064	yes	stable	WT	WT	WT	WT	n.d.	14.76	-0.98	-0.06	0.26	-0.54	-0.78
M065	yes	stable	WT	WT	WT	WT	n.d.	3.64	0.03	1.26	0.71	-0.09	0.07
M066	yes	stable	WT	WT	Q61L	WT	n.d.	2.9	-6.03	-8.17	-0.02	1.94	n.d.
M067	yes	stable	WT	WT	WT	WT	n.d.	3.03	0.36	0.97	n.d.	-0.66	-0.55
M068	yes	stable	WT	WT	WT	WT	n.d.	2.58	-1.52	-3.45	0.4	0.02	1.39
M069	yes	stable	WT	WT	WT	WT	n.d.	2.92	-0.27	-1.95	1.17	-0.85	-0.94
M070	yes	stable	WT	WT	WT	WT	n.d.	2.54	-0.74	-0.52	-0.24	-0.35	-0.29
M071	yes	stable	WT	WT	WT	H1047R	n.d.	1.9	0.03	2.46	-0.39	1.71	n.d.

