

Table S2. CN Purity and Ploidy were performed using both Facets and Sequenza for all samples. Facets values are shown in the table and used in the dpClust analysis, except *Sequenza values used (due to either sample failed or untrustable results in Facets). #not included in RNAseq analysis. *RNAseq not performed. Raw Counts files downloaded from MMRF Researcher gateway. PF: reads passing filter. M : Million

Patient ID	Sample	WES	RNAseq	Purity stain	Purity CN	Ploidy	WES		WES		WES - Normal (germline sample)		RNAseq		RNAseq		RNAseq	
							Total reads (M)	PF reads aligned (M)	Median depth on target	Median depth on target Normal	Reads (M)	% PF	% Duplicate	Aligned	Aligned (M)			
3	PD 1	x			92	0.79	2.01	139.8	139.7	184			83					
	PD 2	x			88	0.92	2	193.6	193.5	255			83					
4	Diagnosis	x	x		95	0.98	1.97	166.4	166.4	222			91	33.9	91.90	22.80	94.60	14.7
	PD 3*	x	x		84	0.85	1.94	142.5	142.4	194			91	38.1	91.50	29.20	95.20	16.8
5	PD 5	x			100	0.69	2.21	149.3	149.2	203			97					
	PD 6	x			88	0.7	2.18	165.2	165.1	226			97					
7	Diagnosis	x			98	0.85	1.95	157.5	157.5	208			49					
	PD 1	x			98	0.89	1.95	148.2	148.2	192			49					
8	PD 1	x	x		98	0.3	0.97	148.9	148.9	205			68	30.7	92.40	46.10	96.80	13.7
	PD 5	x	x		95	0.3	1.94	157.3	157.3	214			68	39.3	93.30	51.00	95.60	17.3
9	Diagnosis	x	x		98	0.93	1.98	144.4	144.4	193			62	103.2	88.40	78.10	95.30	44.2
	PD 3	x	x		98	0.77	2.14	203.4	203.3	333			62	103.0	73.80	86.40	96.90	57.3
10	Diagnosis	x	x		98	0.88	2	164.1	164.1	224			83	26.3	92.20	30.90	93.20	11.3
	PD 1	x	x		98	0.9	1.98	150.3	150.3	193			83	32.7	91.20	34.20	93.40	13.9
13	Diagnosis	x			98	0.94*	3.1*	167.6	167.5	216			65					
	PD 5	x			95	0.5*	3*	180.4	180.3	234			89					
14	Diagnosis	x	x		100	0.87	2.17	162.4	162.4	220			87					
	PD 1	x			98	0.92	2.17	183.0	182.9	245			87					
	PD 2	x			97	0.84	2.24	138.5	138.5	195			87					
	PD 3	x			NA	0.8	2.49	92.1	92.1	150			87					
15	Diagnosis	x	x		97	0.95	0.95	133.3	133.2	181			73	16.4	90.40	21.30	94.80	7.0
	PD 1	x	x		91	0.91	0.91	178.2	178.2	240			73	29.5	90.00	34.20	94.00	12.5
	PD 2	x	x		91	0.92	0.92	221.6	221.5	312			73	25.9	89.30	31.90	94.10	10.9
17	Diagnosis	x			86	0.74	1.95	185.5	185.5	257			96					
	PD 1	x			80	0.64	1.95	184.7	184.7	253			96					
18	Diagnosis	x	x		100	0.9	2.23	207.2	207.2	263			74	147.5	85.40	74.70	94.70	59.6
	PD 1	x	x		100	0.89	2.21	232.6	232.5	317			74	121.8	94.00	62.70	95.20	54.5
	PD 2	x	x		94	0.96	2.37	145.5	145.4	200			74	118.7	93.40	53.50	96.70	53.8
19	Diagnosis	x			100	0.95	2.45	217.9	217.9	275			103					
	PD 1	x			98	0.97	2.27	193.5	193.5	242			103					
20	Diagnosis	x	x		90	0.88	2.06	212.3	212.3	276			78	21.6	92.80	30.20	95.40	9.6
	PD 6	x	x		90	0.98	2.04	219.1	219.0	286			78	29.8	91.40	20.50	96.80	13.1
23	MMRF 1433_1_BM	x	x		92*	0.82	2.5	95.1	95.1	120			43	14.9	89.80	78.30	92.60	59.3
	PD 1	x	x		92*	0.77	2.44	110.9	110.8	138			43	157.9	86.00	73.20	89.90	61.0
	PD 2	x	x		NA	0.87	2.64	136.0	136.0	207			43	154.9	78.40	90.40	93.00	56.5
24	Diagnosis	x	x		98*	0.92	2.1	89.8	89.8	117			44	153.1	83.30	80.70	95.00	60.5
	PD 2	x	x		92*	0.68	2.15	110.4	110.3	146			44	130.3	92.90	74.00	96.70	58.5
25	Diagnosis	x	x		96*	0.87	2.48	149.9	149.9	186			42	143.6	83.50	79.80	94.00	56.4
	PD 2	x	x		94*	0.83	2.48	152.3	152.3	186			42	144.1	86.80	78.30	96.40	60.3
	PD 3	x	x		>80*	0.7	2.63	161.0	161.0	265			42	120.2	91.20	74.80	96.00	52.6
26	Diagnosis	x	x		99*	0.97*	2.3*	124.1	124.1	160			40	140.7	94.80	69.20	92.10	61.4
	PD 1	x	x		99*	0.98*	2.2*	132.5	132.5	166			40	173.4	89.20	73.60	93.40	72.2
	PD 2	x	x		98*	0.91	2.5*	127.6	127.6	230			40	145.9	90.80	67.10	95.40	63.2
27	Diagnosis	x	x		100*	0.91	2.06	122.5	122.5	150			45	147.9	89.30	71.80	95.60	61.1
	PD 1	x	x		100*	0.96	2.12	129.7	129.6	160			45	152.1	94.20	58.90	95.50	70.3
	PD 2	x	x		99*	0.98	2.23	146.9	146.9	258			45	153.7	92.90	61.20	98.40	70.9
28	Diagnosis	x	x		92*	0.94	2.67	151.7	151.6	187			47	140.7	86.90	69.40	90.30	55.2
	PD 1	x	x		97	0.83	2.74	131.8	131.8	164			47	0.17	82.40	8.30	92.30	0.07
29	Diagnosis	x	x		97*	0.94	2.37	116.6	116.6	147			48	136.5	82.80	73.10	95.90	55.1
	PD 1	x	x		97*	0.91	2.41	145.1	145.1	183			48	134.7	82.80	83.70	94.00	52.4
30	Diagnosis	x	x		94*	0.95	2.31	117.9	117.8	156			35	149.3	80.00	84.80	97.60	58.3
	PD 1	x	x		96*	0.57	2.32	141.8	141.8	183			35	163.1	85.30	84.10	97.70	67.9
31	Diagnosis	x	x		84*	0.92	2.3	94.2	94.2	147			39	175.4	89.60	86.80	90.70	71.3
	PD 1	x	x		85*	0.84	2.12	90.0	89.9	115			39	102.5	90.10	71.30	94.20	43.5
	PD 2	x	x		80*	0.5	2.07	143.4	143.4	187			39	112.7	85.70	69.10	94.90	46.3
32	Diagnosis	x	x		93*	0.95	2.22	118.0	117.9	153			44	136.6	93.00	78.60	94.80	60.3
	PD 1	x	x		99*	0.97	2.23	124.9	124.9	162			44	151.6	88.40	82.00	95.70	64.2
33	Diagnosis	x	x		96*	0.96	1.97	98.7	98.7	161			74	195.9	86.60	91.70	97.80	65.7
	PD 1	x	x		92*	0.98	1.94	159.1	159.1	273			74	74.1	83.20	72.20	97.80	30.2
34	PD 2	x	x		90	0.88	2.48	198.7	198.7	279			52	132.6	71.40	85.80	97.50	46.8
	PD 3	x	x		86	0.62	4.92	139.2	139.2	227			52	110.8	81.20	75.50	97.60	43.9
	PD 4	x	x		85	0.87	2.51	79.3	79.3	119			52	101.8	86.20	72.30	98.20	43.1
	PD 6	x	x		85	0.92	2.53	124.0	124.0	205			52	112.1	87.00	75.40	96.30	47.8
35	PD 1	x	x		NA	0.8	2.19	111.4	111.4	198			71	109.4	83.10	85.20	93.80	42.7
	PD 2	x	x		80	0.72	2.42	241.7	241.7	333			71	161.8	82.90	87.70	95.10	25.3
	PD 3	x	x		NA	0.79	2.31	149.3	149.3	195			89	105.3	86.30	74.70	91.40	41.5
36	PD 5	x	x		NA	0.78	2.25	155.1	155.1	281			99	109.9	75.70	82.50	93.00	38.7
39	Diagnosis	x			NA	0.77	2.24	130.2	130.2	233			93					
	PD 1	x			80	0.55	2.43	110.2	110.2	155			93					
40	MMRF 1157_1_BM	NA			NA	0.98	1.94	138.0	137.9	95			70					
	MMRF 1157_2_BM	NA			NA	0.97	1.95	124.0	123.9	77			70					
	MMRF 1157_4_BM	NA			NA	0.98	1.98	115.5	115.4	74			70					
	MMRF 1157_5_BM	NA			NA	0.97	1.96	115.1	115.1	70			70					
41	MMRF 1179_1_BM	NA			NA	0.97	1.92	136.1	136.0	85			88					
	MMRF 1179_2_BM	NA			NA	0.97	1.97	113.8	113.8	72			88					
42	MMRF 1285_1_BM	NA			NA	0.91	2.27	117.6	117.6	86			90					
	MMRF 1285_2_BM	NA			NA	0.91	2.21	93.9	93.9	74			90					
43	MMRF 1433_1_BM	NA			NA	0.97	2.04	56.7	56.7	44			80					
	MMRF 1433_2_BM	NA			NA	0.82	2.04	101.1	101.1	68			80					
	MMRF 1433_5_BM	NA			NA	0.97	1.99	98.9	98.9	75			80					
44	MMRF 1534_1_BM	NA			NA	0.92	2.09	68.8	68.8	54			63					
	MMRF 1534_5_BM	NA			NA	0.92	2.06	101.3	101.3	78			63					
45	MMRF 1555_1_BM	NA			NA	0.94	2.06	120.7	120.6	78			63					
	MMRF 1555_3_BM	NA			NA	0.86	2.1	117.3	117.2	84			63					
46	MMRF 1587_1_BM	NA			NA	0.98	1.92	116.2	116.2	89			97					
	MMRF 1587_2_BM	NA			NA	0.95	1.96	108.7	108.7	79			97					
47	MMRF 1627_1_BM	NA			NA	0.97	2.03	127.9	127.8	78			76					