

Supplemental Table 2 – Solid tumor burden as measured from CT or PET imaging within one month of blood draw, and serum LDH values (n=25 patients)

Patient number	Disease status at time of blood draw ¹	Treatment at time of blood draw ²	Total tumor burden (cm) ³	Number of lesions measured ³	Range in size of measured lesions (cm) ³	Metastatic sites at time of blood draw ⁴	Serum LDH (U/L) ⁵
294	AD	Dabrafenib, trametinib	X	X	X	X	225
652	AD	Dabrafenib, trametinib	16.3	4	1.6 – 7.0	LN	326
1154	AD	None	19.9	8	1.0 – 4.3	Skin/subcutaneous, liver, heart, adrenal, kidney, adnexal mass	179
1939	AD	None	10.8	5	1.1 – 3.7	Liver, lung	609
1429	AD	Ipilimumab, nivolumab	48.5	12	1.7 – 7.8	LN, liver, adrenal, bone	1835
65	AD	Pembrolizumab	X	X	X	X	182
423	AD	Pembrolizumab	X	X	X	X	247
1092	AD	Ipilimumab	8.1	5	1.0 – 2.6	Skin/subcutaneous	212
570	AD	Dabrafenib, trametinib, ipilimumab, nivolumab	X	X	X	X	213
1439	AD	Ipilimumab, radiation	16.9	6	1.1 – 7.8	Lung, colorectal, retroperitoneal	206
1258	AD	None	44.3	12	1.1 – 18.1	Skin/subcutaneous, LN, liver, lung,	3923
1368	AD	Ipilimumab	X	X	X	X	206
765	AD	Ipilimumab	X	X	X	X	200
1334	AD	None	4.9	2	2.2 – 2.7	Lung	222
<u>939</u>	NED	None	0.0	-	-	-	170
1202	AD	Ipilimumab	X	X	X	X	183
1296	AD	Pembrolizumab	0.6	1	0.6	LN	160
1778	AD	Dabrafenib, trametinib	X	X	X	X	262
<u>940</u>	NED	Pembrolizumab, trametinib	0.0	-	-	-	199
<u>1747</u>	NED	None	0.0	-	-	-	157
671	AD	Pembrolizumab	X	X	X	X	167
396	AD	None	2.1	1	2.1	LN	182
495	AD	Dabrafenib, trametinib	2.9	1	2.9	LN	211
1153	AD	None	X	X	X	X	174
1251	AD	Ipilimumab	2.1	1	2.1	Liver	214

¹AD=Active disease (measurable tumor by imaging), NED=No evidence of disease. Patient numbers are bolded and underlined for 3 NED patients.

²Any treatment received within one month of blood draw

³Tumor burden is measured as the sum of the long dimension of all measurable lesions as detected by CT or PET scan within one month of blood draw. X indicates no scan within one month.

⁴As detected by CT or PET scan within one month of blood draw. LN = lymph node

⁵U/L = units per liter