

S4 Table. Characteristics of synchronous metastatic tumor patients

Case	Sex	Age (yr)	Subtype	Con/Dis	Primary tumor			Metastatic tumor			
					<i>BRAF</i>	<i>NRAS</i>	<i>KIT</i>	<i>BRAF</i>	<i>NRAS</i>	<i>KIT</i>	Specimen
1	Male	51	Non-CSD	Dis	V600E	-	-	-	-	+	LN
2	Male	73	Non-CSD	Con	V600E	-	-	V600E	-	-	LN
3	Female	77	Non-CSD	Con	-	-	-	-	-	-	LN
4	Male	52	Non-CSD	Dis	V600E	-	-	-	-	-	LN
5	Male	47	Mucosal	Dis	V600E	-	-	-	-	-	LN
6	Male	39	Non-CSD	Dis	V600E	-	+	V600E	-	-	LN
7	Female	78	Acral	Con	-	-	-	-	-	-	LN
8	Female	66	Acral	Dis	V600E	-	-	-	-	+	LN
9	Female	70	Acral	Dis	-	-	-	V600E	-	+	LN
10	Female	66	Acral	Dis	V600E	-	+	-	-	-	LN
11	Male	65	Mucosal	Con	-	-	-	-	-	-	Esophagus
12	Female	43	Mucosal	Dis	-	-	+	-	-	-	Brain

Con, concordance; Dis, discordance; CSD, chronic sun-induced damage; LN, lymph node.