

Table S1

	PD-1	B7-1
WT	+	+
mCherry	-	-
D49A	+	+
D49R	+	R
L53R	-	-
V54D	R	R
V54A	+	+
Y56A	+	-
Y56D	+	-
Q66A	+	+
Q66D	+	R
E72A	+	+
E72R	+	-
G119D	+	-
G119R	-	-
G120D	+	-
A121R	-	-
D122A	-	+
Y123A	-	+
Y123R	-	+
K124A	-	+
K124D	-	+
R125A	R	+
R125D	-	+