

Supplementary Table S1: NRF2 and PD-L1 expression in melanoma tissue array

The expression of NRF2 in melanomas

NRF2	1	2	3	4	5	6	7	8	9	10
A	0	1(30%)	1(40%)	0	0	1(20%)	0	0	0	1(50%)
B	2(40%)	0	1(20%)	2(30%)	2(20%)	1(40%)	1(20%)	1(50%)	0	1(30%)
C	0	0	3(80%)	NA	0	0	0	0	2(20%)	0
D	2(40%)	1(10%)	3(70%)	3(50%)	1(20%)	0	NA	1(50%)	0	1(10%)
E	0	0	1(30%)	1(20%)	NA	1(30%)	0	0	NA	1(20%)
F	1(40%)	0	0	0	0	1(10%)	0	3(50%)	1(10%)	1(30%)
G	0	NA	NA	3(40%)	1(20%)	0	2(30%)	NA	NA	1(40%)
H	1(30%)	0	2(40%)	3(50%)	3(90%)	0	3(50%)	1(50%)	1(30%)	2(30%)
I	0	0	1(20%)	0	0	0	1(30%)	0	1(40%)	0
J	1(40%)	1(30%)	0	0	1(30%)	2(50%)	1(20%)	0	0	0

The expression of PD-L1 in melanomas

PD-L1	1	2	3	4	5	6	7	8	9	10
A	0	1(50%)	1(20%)	0	0	1(60%)	0	1(40%)	1(20%)	2(30%)
B	2(50%)	0	0	1(20%)	2(60%)	1(10%)	2(30%)	0	1(30%)	0
C	0	0	2(40%)	NA	0	0	0	1(30%)	2(60%)	0
D	2(40%)	1(30%)	2(50%)	3(80%)	1(10%)	0	NA	0	0	0
E	0	1(20%)	1(40%)	0	NA	1(20%)	0	1(30%)	NA	0
F	1(10%)	1(30%)	0	1(20%)	0	1(50%)	0	3(60%)	1(20%)	1(30%)
G	0	NA	NA	3(40%)	2(50%)	0	2(40%)	NA	NA	0
H	1(30%)	0	1(10%)	3(80%)	3(90%)	1(20%)	3(50%)	0	0	1(20%)
I	0	0	1(20%)	1(30%)	0	0	2(40%)	0	0	0
J	1(50%)	1(20%)	0	0	1(10%)	2(30%)	1(40%)	1(30%)	1(20%)	0

Gray shade = primary malignant melanoma, no shade = metastatic melanoma, red shade = benign tumor

0-overall very weak staining, 1- overall weak staining, 2-overall moderate staining, 3-overall strong staining, %- estimate of percent of cells staining

NA- not applicable (cannot evaluate, due to high melanin obscuring tissue not well-represented)