

(a)

Medium (SD)	T effector	IFNG	APC	TCR signaling	Th2	Myeloid	T regulatory
GCB (n=82)	0.32 (0.87)	1.37 (1.14)	0.38 (0.78)	2.26 (0.61)	-2.85 (0.87)	-1.61 (0.72)	-2.04 (1.19)
ABC (n=77)	0.87 (0.95)	1.78 (1.17)	0.70 (0.81)	2.13 (0.57)	-2.27 (0.81)	-1.98 (0.76)	-2.46 (1.24)
UNC (n=37)	0.51 (1.01)	1.19 (1.17)	0.59 (0.72)	1.97 (0.68)	-2.69 (0.84)	-2.05 (0.90)	-2.20 (0.97)
<i>p</i> -value	0.0008	0.0316	0.0198	0.2937	0.0004	0.0220	0.0357

(b)

Medium (SD)	T effector	IFNG	APC	TCR signaling	Th2	Myeloid	T regulatory
MYC-High (n=70)	0.63 (0.97)	1.46 (1.07)	0.57 (0.82)	1.92 (0.52)	-2.57 (0.89)	-2.01 (0.77)	-2.56 (1.05)
MYC-Low (n=74)	0.67 (1.04)	1.68 (1.29)	0.54 (0.74)	2.25 (0.64)	-2.54 (0.89)	-1.75 (0.79)	-2.21 (1.27)
<i>p</i> -value	0.7114	0.4965	0.7039	0.0067	0.7642	0.0784	0.0455

(c)

Medium (SD)	T effector	IFNG	APC	TCR signaling	Th2	Myeloid	T regulatory
PD-L1 High (n=98)	0.95 (0.87)	2.23 (1.17)	0.57 (0.76)	2.19 (0.54)	-2.61 (0.83)	-1.81 (0.79)	-2.22 (1.21)
PD-L1 Low (n=98)	0.12 (0.82)	1.06 (0.93)	0.49 (0.80)	2.15 (0.67)	-2.53 (0.90)	-1.98 (0.76)	-2.36 (1.16)
<i>p</i> -value	<0.0001	<0.0001	0.2460	0.4777	0.8729	0.0672	0.6672

(d)

Medium (SD)	T effector	IFNG	APC	TCR signaling	Th2	Myeloid	T regulatory
IDO1 High (n=98)	1.13 (0.80)	2.35 (0.84)	0.34 (0.73)	2.30 (0.55)	-2.75 (0.86)	-1.58 (0.73)	-2.17 (1.30)
IDO1 Low (n=98)	0.03 (0.78)	0.76 (0.78)	0.72 (0.79)	1.94 (0.63)	-2.46 (0.86)	-2.26 (0.74)	-2.40 (1.07)
<i>p</i> -value	<0.0001	<0.0001	0.0010	0.0006	0.0588	<0.0001	0.6384