

Supplementary Table 2. Contingency table depicting the association between 23 predictors with the clinical response to atezolizumab and bevacizumab in IMbrave150 cohort

Signature	levels	SD	PD	PR	CR	P-value
ABRS	High	43 (39.8)	22 (37.9)	38 (65.5)	21 (91.3)	<0.001
	Low	65 (60.2)	36 (62.1)	20 (34.5)	2 (8.7)	
FAD	High	67 (62.0)	16 (27.6)	26 (44.8)	6 (26.1)	<0.001
	Low	41 (38.0)	42 (72.4)	32 (55.2)	17 (73.9)	
EIGS	High	51 (47.2)	21 (36.2)	39 (67.2)	18 (78.3)	<0.001
	Low	57 (52.8)	37 (63.8)	19 (32.8)	5 (21.7)	
POPLAR	High	49 (45.4)	20 (34.5)	39 (67.2)	18 (78.3)	<0.001
	Low	59 (54.6)	38 (65.5)	19 (32.8)	5 (21.7)	
Inflammatory_Sig	High	49 (45.4)	20 (34.5)	38 (65.5)	18 (78.3)	<0.001
	Low	59 (54.6)	38 (65.5)	20 (34.5)	5 (21.7)	
IFN_gamma	High	48 (44.4)	20 (34.5)	39 (67.2)	17 (73.9)	<0.001
	Low	60 (55.6)	38 (65.5)	19 (32.8)	6 (26.1)	
Infamed	High	46 (42.6)	23 (39.7)	35 (60.3)	20 (87.0)	<0.001
	Low	62 (57.4)	35 (60.3)	23 (39.7)	3 (13.0)	
IPS	High	46 (42.6)	24 (41.4)	34 (58.6)	18 (78.3)	0.004
	Low	62 (57.4)	34 (58.6)	24 (41.4)	5 (21.7)	
TIDE	High	50 (46.3)	22 (37.9)	35 (60.3)	18 (78.3)	0.003
	Low	58 (53.7)	36 (62.1)	23 (39.7)	5 (21.7)	
IMPRES	High	42 (38.9)	26 (44.8)	35 (60.3)	18 (78.3)	0.001
	Low	66 (61.1)	32 (55.2)	23 (39.7)	5 (21.7)	
T.cell.inflamed.GEP	High	51 (47.2)	21 (36.2)	31 (53.4)	18 (78.3)	0.006
	Low	57 (52.8)	37 (63.8)	27 (46.6)	5 (21.7)	
TIS	High	47 (43.5)	24 (41.4)	36 (62.1)	18 (78.3)	0.003
	Low	61 (56.5)	34 (58.6)	22 (37.9)	5 (21.7)	
CYT	High	46 (42.6)	19 (32.8)	35 (60.3)	19 (82.6)	<0.001
	Low	62 (57.4)	39 (67.2)	23 (39.7)	4 (17.4)	
ISS10	High	47 (43.5)	20 (34.5)	40 (69.0)	17 (73.9)	<0.001
	Low	61 (56.5)	38 (65.5)	18 (31.0)	6 (26.1)	
C_ECM_up	High	45 (41.7)	37 (63.8)	31 (53.4)	16 (69.6)	0.013
	Low	63 (58.3)	21 (36.2)	27 (46.6)	7 (30.4)	
IFNAP	High	51 (47.2)	24 (41.4)	30 (51.7)	15 (65.2)	0.255
	Low	57 (52.8)	34 (58.6)	28 (48.3)	8 (34.8)	
ImmuneCells_Sig	High	42 (38.9)	36 (62.1)	35 (60.3)	15 (65.2)	0.005
	Low	66 (61.1)	22 (37.9)	23 (39.7)	8 (34.8)	
CRMA	High	46 (42.6)	24 (41.4)	35 (60.3)	18 (78.3)	0.003
	Low	62 (57.4)	34 (58.6)	23 (39.7)	5 (21.7)	
IPRES	High	51 (47.2)	28 (48.3)	32 (55.2)	14 (60.9)	0.557
	Low	57 (52.8)	30 (51.7)	26 (44.8)	9 (39.1)	
Pan_F_TBRS	High	53 (49.1)	32 (55.2)	31 (53.4)	11 (47.8)	0.854
	Low	55 (50.9)	26 (44.8)	27 (46.6)	12 (52.2)	
AMP	High	56 (51.9)	25 (43.1)	28 (48.3)	12 (52.2)	0.738
	Low	52 (48.1)	33 (56.9)	30 (51.7)	11 (47.8)	
LRRC15_CAF	High	53 (49.1)	32 (55.2)	26 (44.8)	12 (52.2)	0.725
	Low	55 (50.9)	26 (44.8)	32 (55.2)	11 (47.8)	
EMT_Sig	High	46 (42.6)	36 (62.1)	26 (44.8)	10 (43.5)	0.099
	Low	62 (57.4)	22 (37.9)	32 (55.2)	13 (56.5)	