

Supplementary Table 2: Clinicopathological, stromal and Tumor markers in the two clusters

		All patients	Cluster 1	Cluster 2	P-value*	
Clinicopathological parameters	Total	45 (100)	22 (100)	23 (100)		
	Sex					
	Male	28 (62.2)	14 (63.6)	14 (60.9)		
	Female	17 (37.8)	8 (36.4)	9 (39.1)	1.00	
	Years					
	Mean [range]	61.1 [33-78]	63.1 [47-78]	59.1 [33-76]	0.30	
	Site					
	Colon	8 (17.8)	4 (18.2)	4 (17.4)		
	Ileum	7 (15.6)	5 (22.7)	2 (8.7)		
	Pancreas	15 (33.3)	7 (31.8)	8 (34.8)		
	Rectum	10 (22.2)	3 (13.6)	7 (30.4)		
	Stomach	5 (11.1)	3 (13.6)	2 (8.7)	0.50	
	Stage					
	I-II	3 (6.7)	2 (9.1)	1 (4.4)		
	III	14 (31.1)	7 (31.8)	7 (40.4)		
	IV	28 (62.2)	13 (59.1)	15 (65.2)	0.90	
	Morphology					
NET G3	6 (13.3)	5 (22.7)	1 (4.4)			
NEC<55	8 (17.8)	5 (22.7)	3 (13.0)			
NEC>55	31 (68.9)	12 (54.6)	19 (82.6)	0.09		
Ki-67						
<55	14 (31.1)	4 (17.4)	10 (45.5)			
>55	31 (68.9)	19 (82.6)	12 (54.5)	0.06		
Stromal Markers	Mieloid	Arginase S				
		Mean [range]	4.89 [0-12]	5.95 [3-12]	3.87 [0-9]	0.002
		CD33 S				
		Mean[range]	2.71 [0-9]	3.90 [1-9]	1.57 [0-4]	<0.0001
		CD163 S				
	Mean [range]	4.74 [2-12]	5.64 [3-12]	3.87 [2-6]	0.008	
	CD66 S					
	Mean [range]	1.36 [0-6]	1.77 [0-6]	0.96 [0-3]	0.11	
	T-cell	CD3 S				
		Mean [range]	3.82 [0-12]	6.95 [1-12]	0.83 [0-4]	<0.0001
		CD4 S				
	Mean [range]	0.87 [0-9]	1.73 [0.9]	0 [0-1]	0.001	
	CD8 S					
	Mean [range]	2.02 [0-6]	3.73 [1-6]	0.39 [0-2]	<0.0001	
	Immune Checkpoint	PD-L1 S				
Mean [range]		1.31 [0-6]	1.95 [0-6]	0.7 [0-6]	0.01	
PD-1 S						
Mean [range]	2.93 [0-9]	4.82 [0-9]	1.13 [0-6]	0.0002		
HLA	HLA-1 S					
	Mean [range]	2.84 [0-12]	4.27 [0-12]	1.48 [0-9]	0.01	
HLA-DR S						
Mean [range]	7.71 [0-12]	9.05 [2-12]	6.43 [0-12]	0.02		
Nonimmune markers	NGFR S					
	Mean [range]	1.91 [0-12]	2.14 [0-12]	1.70 [0-12]	0.81	
	COX2 S					
	Mean [range]	2.31 [0-12]	3.27 [0-12]	1.39 [0-9]	0.16	
	S6 S					
Mean [range]	2.16 [0-12]	2.77 [0-12]	1.57 [0-12]	0.28		
CD31 S						
Absent	23 (51.1)	10 (45.5)	13 (56.5)			

Tumor Markers

	Present	22 (48.9)	12 (54.5)	10 (43.5)	0.56
COX2T	Mean [range]	9.64 [0-12]	9.27 [0-12]	10 [0-12]	0.59
S6 T	Mean [range]	2.73 [0-12]	2.77 [0-12]	2.70 [0-12]	0.29
Beta-Cat T	Mean [range]	9.49 [0-12]	9.00 [0-12]	9.96 [0-12]	0.54
HLA-1 T	Mean [range]	5.51 [0-12]	6.04 [0-12]	5.00 [0-12]	0.51
PD-L1 T	Mean [range]	0.4 [0-9]	0.82 [0-9]	0.0 [0-0]	0.15
CD31 T	Absent	24 (46.7)	8 (36.4)	13 (56.5)	
	Present	24 (53.3)	14 (63.6)	10 (43.5)	0.24
Beta-Cat T	Absent	2 (4.4)	1 (4.6)	1 (4.4)	
	Cytoplasmic and/or membrane	25 (55.6)	14 (63.6)	11 (47.8)	
	Nuclear	18 (40.0)	7 (31.8)	11 (47.8)	0.67

* P-value based on the Fisher Exact test for categorical variables or the Wilcoxon test for continuous variables.