SUPPLEMENTARY TABLES

Supplementary Table 1. Summary of clinicopathological variables in each dataset.

Dataset	**Bueno et al.** EGAD00001001915	**Hmeljak et al.** TCGA2BED	**Suraokar et al.** GSE51024	**DeReyniès et al.** E-MTAB-1719	**Bott et al.** GSE29354	**Lopez-Ríos et al.** PMID 16540645	**Gordon et al.** GSE2549	**Total**	**P-value**
Platform	Illumina HiSeq 2500 RNA Sequencing	Illumina HiSeq 2000 RNA Sequencing	Affymetrix Human Genome U133 Plus 2.0 Array	Affymetrix Human Genome U133 Plus 2.0 Array	Affymetrix Human Genome U133A Array	Affymetrix Human Genome U133A Array	Affymetrix Human Genome U133A Array		
Total samples	211	87	96	38	53	99	54	638	
Included samples	211	74	53	38	53	47	40	516	
Age, Median (Range)	65.40 (18.8 - 86)	64 (28 - 81)	-	-	63 (33 - 78)	62 (33 - 78)	-	64.5 (18.8 - 86)	0.041
Sex, N (%):									0.005
Male	176 (83.41%)	61 (82.43%)	-	-	34 (64.15%)	42 (89.36%)	-	313 (81.30%)	
Female	35 (16.59%)	13 (17.57%)	-	-	19 (35.85%)	5 (10.64%)	-	72 (18.70%)	
Stage, N (%):									0.002
Stage I	6 (3.26%)	8 (10.81%)	-		7 (13.73%)	-	1 (2.56%)	22 (6.32%)	
Stage II	25 (13.59%)	14 (18.92%)	-	-	11 (21.57%)	-	11 (28.21%)	61 (17.53%)	
Stage III	114 (61.96%)	36 (48.65%)	-	-	21 (41.18%)	-	27 (69.23%)	198 (56.90%)	
Stage IV	39 (21.20%)	16 (21.62%)	-	-	12 (23.53%)	-	0 (0.00%)	67 (19.25%)	
Histology, N (%):									0.03
Epithelioid	141 (66.82%)	52 (76.47%)	35 (66.04%)	28 (77.78%)	38 (71.70%)	32 (68.09%)	23 (58.97%)	349 (68.84%)	
Biphasic	62 (29.38%)	13 (19.12%)	12 (22.64%)	4 (11.11%)	10 (18.87%)	10 (21.28%)	16 (41.03%)	127 (25.05%)	
Sarcomatoid	8 (3.79%)	3 (4.41%)	6 (11.32%)	4 (11.11%)	5 (9.43%)	5 (10.64%)	0 (0.00%)	31 (6.11%)	
Asbestos, N (%):									0.051
No	56 (27.32%)	13 (22.03%)	-	0 (.%)	22 (44.90%)	7 (18.42%)	-	98 (27.92%)	
Possible	4 (1.95%)	0 (0.00%)	-	0 (.%)	0 (0.00%)	0 (0.00%)	-	4 (1.14%)	
Yes	145 (70.73%)	46 (77.97%)	-	0 (.%)	27 (55.10%)	31 (81.58%)	-	249 (70.94%)	
Neoadjuvant therapy, N (%):									<0.001
No	180 (85.31%)	74 (100.00%)	-	-	-	-	40 (100.00%)	249 (90.46%)	
Yes	31 (14.69%)	0 (0.00%)	-	-	-	-	0 (0.00%)	31 (9.54%)	
Survival data available:	Yes	Yes	No	Missing covariates	Yes	No	Missing covariates		

Supplementary Table 2. Immune fractions gene expression signatures

Immune fraction	Source	Gene
B-cells	Bindea et al. [16]	MS4A1
B-cells	Bindea et al. [16]	TCL1A
B-cells	Bindea et al. [16]	HLA-DOB
B-cells	Bindea et al. [16]	PNOC
B-cells	Bindea et al. [16]	FAM30A
B-cells	Bindea et al. [16]	CD19
B-cells	Bindea et al. [16]	CR2
B-cells	Bindea et al. [16]	IGHG1
B-cells	Bindea et al. [16]	FCRL2
B-cells	Bindea et al. [16]	BLK
B-cells	Bindea et al. [16]	COCH
B-cells	Bindea et al. [16]	OSBPL10
B-cells	Bindea et al. [16]	IGHA1
B-cells	Bindea et al. [16]	TNFRSF17
B-cells	Bindea et al. [16]	ABCB4
B-cells	Bindea et al. [16]	BLNK
B-cells	Bindea et al. [16]	GLDC
B-cells	Bindea et al. [16]	MEF2C
B-cells	Bindea et al. [16]	IGHM
B-cells	Bindea et al. [16]	SPIB
B-cells	Bindea et al. [16]	BCL11A
B-cells	Bindea et al. [16]	GNG7
B-cells	Bindea et al. [16]	IGKC
B-cells	Bindea et al. [16]	CD72
B-cells	Bindea et al. [16]	MICAL3
B-cells	Bindea et al. [16]	BACH2
B-cells	Bindea et al. [16]	IGL
B-cells	Bindea et al. [16]	CCR9
B-cells	Bindea et al. [16]	QRSL1
B-cells	Bindea et al. [16]	DTNB
B-cells	Bindea et al. [16]	HLA-DQA1
B-cells	Bindea et al. [16]	SCN3A
B-cells	Bindea et al. [16]	SLC15A2
CD8_T-cells	Bindea et al. [16]	CD8B
CD8_T-cells	Bindea et al. [16]	CD8A
CD8_T-cells	Bindea et al. [16]	PF4
CD8_T-cells	Bindea et al. [16]	PRR5
CD8_T-cells	Bindea et al. [16]	SF1
CD8_T-cells	Bindea et al. [16]	LIME1
CD8_T-cells	Bindea et al. [16]	DNAJB1
CD8_T-cells	Bindea et al. [16]	ARHGAP8
CD8_T-cells	Bindea et al. [16]	GZMM
CD8_T-cells	Bindea et al. [16]	SLC16A7
CD8_T-cells	Bindea et al. [16]	SRSF7
CD8_T-cells	Bindea et al. [16]	APBA2
CD8_T-cells	Bindea et al. [16]	HAUS3
CD8_T-cells	Bindea et al. [16]	LEPROTL1
CD8_T-cells	Bindea et al. [16]	ZFP36L2
CD8_T-cells	Bindea et al. [16]	GADD45A
CD8_T-cells	Bindea et al. [16]	KAT6A
CD8_T-cells	Bindea et al. [16]	ZEB1
CD8_T-cells	Bindea et al. [16]	ZNF609
CD8_T-cells	Bindea et al. [16]	MAPKAPK5-AS1
CD8_T-cells	Bindea et al. [16]	THUMPD1
CD8_T-cells	Bindea et al. [16]	VAMP2
CD8_T-cells	Bindea et al. [16]	ZNF91
CD8_T-cells	Bindea et al. [16]	ZNF22
CD8_T-cells	Bindea et al. [16]	TMC6

CD8_T-cells	Bindea et al. [16]	FLT3LG
CD8_T-cells	Bindea et al. [16]	CDKN2AIP
CD8_T-cells	Bindea et al. [16]	TSC22D3
CD8_T-cells	Bindea et al. [16]	TBCC
CD8_T-cells	Bindea et al. [16]	RBM3
CD8_T-cells	Bindea et al. [16]	ABT1
CD8_T-cells	Bindea et al. [16]	TMEM259
CD8_T-cells	Bindea et al. [16]	CAMLG
CD8_T-cells	Bindea et al. [16]	PPP1R2
CD8_T-cells	Bindea et al. [16]	AES
CD8_T-cells	Bindea et al. [16]	KLF9
CD8_T-cells	Bindea et al. [16]	PRF1
Cytotoxic_cells	Bindea et al. [16]	KLRD1
Cytotoxic_cells	Bindea et al. [16]	KLRF1
Cytotoxic_cells	Bindea et al. [16]	GNLY
Cytotoxic_cells	Bindea et al. [16]	CTSW
Cytotoxic_cells	Bindea et al. [16]	KLRB1
Cytotoxic_cells	Bindea et al. [16]	KLRK1
Cytotoxic_cells	Bindea et al. [16]	NKG7
Cytotoxic_cells	Bindea et al. [16]	GZMH
Cytotoxic_cells	Bindea et al. [16]	SIGIRR
Cytotoxic_cells	Bindea et al. [16]	ZBTB16
Cytotoxic_cells	Bindea et al. [16]	RUNX3
Cytotoxic_cells	Bindea et al. [16]	APOL3
Cytotoxic_cells	Bindea et al. [16]	RORA
Cytotoxic_cells	Bindea et al. [16]	APBA2
Cytotoxic_cells	Bindea et al. [16]	WHAMMP3
Cytotoxic_cells	Bindea et al. [16]	DUSP2
Cytotoxic_cells	Bindea et al. [16]	GZMA
TFH	Bindea et al. [16]	CHI3L2
TFH	Bindea et al. [16]	CXCL13
TFH	Bindea et al. [16]	MYO7A
TFH	Bindea et al. [16]	CHGB
TFH	Bindea et al. [16]	ICA1
TFH	Bindea et al. [16]	HEY1
TFH	Bindea et al. [16]	CDK5R1
TFH	Bindea et al. [16]	ST8SIA1
TFH	Bindea et al. [16]	PDCD1
TFH	Bindea et al. [16]	CXCR5
TFH	Bindea et al. [16]	KIAA1324
TFH	Bindea et al. [16]	PVALB
TFH	Bindea et al. [16]	TSHR
TFH	Bindea et al. [16]	LDLRAD4
TFH	Bindea et al. [16]	TOX
TFH	Bindea et al. [16]	SLC7A10
TFH	Bindea et al. [16]	SMAD1
TFH	Bindea et al. [16]	POMT1
TFH	Bindea et al. [16]	PASK
TFH	Bindea et al. [16]	MKL2
TFH	Bindea et al. [16]	PTPN13
TFH	Bindea et al. [16]	KCNK5
TFH	Bindea et al. [16]	ZNF764
TFH	Bindea et al. [16]	MAF
TFH	Bindea et al. [16]	MYO6
TFH	Bindea et al. [16]	SIRPG
TFH	Bindea et al. [16]	THADA
TFH	Bindea et al. [16]	MAGEH1
TFH	Bindea et al. [16]	B3GAT1
TFH	Bindea et al. [16]	SH3TC1
TFH	Bindea et al. [16]	HIST1H4K

TFH	Bindea et al. [16]	STK39
Th1_cells	Bindea et al. [16]	IFNG
Th1_cells	Bindea et al. [16]	LTA
Th1_cells	Bindea et al. [16]	APBB2
Th1_cells	Bindea et al. [16]	DOK5
Th1_cells	Bindea et al. [16]	IL12RB2
Th1_cells	Bindea et al. [16]	APOD
Th1_cells	Bindea et al. [16]	ZBTB32
Th1_cells	Bindea et al. [16]	CD38
Th1_cells	Bindea et al. [16]	CSF2
Th1_cells	Bindea et al. [16]	CTLA4
Th1_cells	Bindea et al. [16]	CD70
Th1_cells	Bindea et al. [16]	DPP4
Th1_cells	Bindea et al. [16]	EGFL6
Th1_cells	Bindea et al. [16]	BST2
Th1_cells	Bindea et al. [16]	DUSP5
Th1_cells	Bindea et al. [16]	LRP8
Th1_cells	Bindea et al. [16]	IL22
Th1_cells	Bindea et al. [16]	DGKI
Th1_cells	Bindea et al. [16]	CCL4
Th1_cells	Bindea et al. [16]	GGT1
Th1_cells	Bindea et al. [16]	LRRN3
Th1_cells	Bindea et al. [16]	SYNGR3
Th1_cells	Bindea et al. [16]	ATP9A
Th1_cells	Bindea et al. [16]	BTG3
Th1_cells	Bindea et al. [16]	CMAHP
Th1_cells	Bindea et al. [16]	HBEGF
Th1_cells	Bindea et al. [16]	SGCB
TH17_cells	Bindea et al. [16]	IL17A
TH17_cells	Bindea et al. [16]	IL17RA
TH17_cells	Bindea et al. [16]	RORC
Th2_cells	Bindea et al. [16]	PMCH
Th2_cells	Bindea et al. [16]	AHI1
Th2_cells	Bindea et al. [16]	PTGIS
Th2_cells	Bindea et al. [16]	CXCR6
Th2_cells	Bindea et al. [16]	EVI5
Th2_cells	Bindea et al. [16]	IL26
Th2_cells	Bindea et al. [16]	MB
Th2_cells	Bindea et al. [16]	NEIL3
Th2_cells	Bindea et al. [16]	GSTA4
Th2_cells	Bindea et al. [16]	PHEX
Th2_cells	Bindea et al. [16]	SMAD2
Th2_cells	Bindea et al. [16]	CENPF
Th2_cells	Bindea et al. [16]	ANK1
Th2_cells	Bindea et al. [16]	ADCY1
Th2_cells	Bindea et al. [16]	AI582773
Th2_cells	Bindea et al. [16]	LAIR2
Th2_cells	Bindea et al. [16]	SNRPD2
Th2_cells	Bindea et al. [16]	MICAL2
Th2_cells	Bindea et al. [16]	DHFR
Th2_cells	Bindea et al. [16]	WDHD1
Th2_cells	Bindea et al. [16]	BIRC5
Th2_cells	Bindea et al. [16]	SLC39A14
Th2_cells	Bindea et al. [16]	HELLS
Th2_cells	Bindea et al. [16]	LIMA1
Th2_cells	Bindea et al. [16]	CDC25C
Th2_cells	Bindea et al. [16]	CDC7
Th2_cells	Bindea et al. [16]	GATA3
Treg_cells	Charoentong et al. [17]	CCL3L1
Treg_cells	Charoentong et al. [17]	CD72

Treg_cells	Charoentong et al. [17]	CLEC5A
Treg_cells	Charoentong et al. [17]	FOXP3
Treg_cells	Charoentong et al. [17]	ITGA4
Treg_cells	Charoentong et al. [17]	L1CAM
Treg_cells	Charoentong et al. [17]	LIPA
Treg_cells	Charoentong et al. [17]	LRP1
Treg_cells	Charoentong et al. [17]	LRRC42
Treg_cells	Charoentong et al. [17]	MARCO
Treg_cells	Charoentong et al. [17]	MMP12
Treg_cells	Charoentong et al. [17]	MNDA
Treg_cells	Charoentong et al. [17]	MRC1
Treg_cells	Charoentong et al. [17]	MS4A6A
Treg_cells	Charoentong et al. [17]	PELO
Treg_cells	Charoentong et al. [17]	PLEK
Treg_cells	Charoentong et al. [17]	PRSS23
Treg_cells	Charoentong et al. [17]	PTGIR
Treg_cells	Charoentong et al. [17]	ST8SIA4
Treg_cells	Charoentong et al. [17]	STAB1
Tcm	Bindea et al. [16]	CDC14A
Tcm	Bindea et al. [16]	ATM
Tcm	Bindea et al. [16]	USP9Y
Tcm	Bindea et al. [16]	PCNX1
Tcm	Bindea et al. [16]	FOXP1
Tcm	Bindea et al. [16]	KLF12
Tcm	Bindea et al. [16]	ST3GAL1
Tcm	Bindea et al. [16]	INPP4B
Tcm	Bindea et al. [16]	CASP8
Tcm	Bindea et al. [16]	KMT2A
Tcm	Bindea et al. [16]	PCM1
Tcm	Bindea et al. [16]	RP11-74E24.2
Tcm	Bindea et al. [16]	PHC3
Tcm	Bindea et al. [16]	NFATC3
Tcm	Bindea et al. [16]	LOC202134
Tcm	Bindea et al. [16]	TIMM8A
Tcm	Bindea et al. [16]	ATF7IP
Tcm	Bindea et al. [16]	REPS1
Tcm	Bindea et al. [16]	PSPC1
Tcm	Bindea et al. [16]	RPP38
Tcm	Bindea et al. [16]	HNRNPH1
Tcm	Bindea et al. [16]	STX16
Tcm	Bindea et al. [16]	CYLD
Tcm	Bindea et al. [16]	SNRPN
Tcm	Bindea et al. [16]	TRAF3IP3
Tcm	Bindea et al. [16]	NEFL
Tcm	Bindea et al. [16]	POLR2J2
Tcm	Bindea et al. [16]	AQP3
Tcm	Bindea et al. [16]	CG030
Tcm	Bindea et al. [16]	PDXDC2P
Tcm	Bindea et al. [16]	CLUAP1
Tcm	Bindea et al. [16]	DOCK9
Tcm	Bindea et al. [16]	TXLNGY
Tcm	Bindea et al. [16]	CREBZF
Tcm	Bindea et al. [16]	CEP68
Tcm	Bindea et al. [16]	TXK
Tcm	Bindea et al. [16]	SLC7A6
Tcm	Bindea et al. [16]	FYB1
Tcm	Bindea et al. [16]	MAP3K1
Tgd	Bindea et al. [16]	TRD
Tgd	Bindea et al. [16]	TARP
Tgd	Bindea et al. [16]	C1orf61

Tgd	Bindea et al. [16]	CD160
Tgd	Bindea et al. [16]	FEZ1
Tem	Bindea et al. [16]	TRA
Tem	Bindea et al. [16]	PRKY
Tem	Bindea et al. [16]	EZR
Tem	Bindea et al. [16]	GDPD5
Tem	Bindea et al. [16]	CCR2
Tem	Bindea et al. [16]	MEFV
Tem	Bindea et al. [16]	SND1-IT1
Tem	Bindea et al. [16]	FLI1
Tem	Bindea et al. [16]	TBC1D5
Tem	Bindea et al. [16]	DDX17
Tem	Bindea et al. [16]	AKT3
Tem	Bindea et al. [16]	EWSR1
Tem	Bindea et al. [16]	TBCD
Tem	Bindea et al. [16]	NFATC4
Tem	Bindea et al. [16]	LTK
NK_CD56bright_cells	Bindea et al. [16]	DUSP4
NK_CD56bright_cells	Bindea et al. [16]	RRAD
NK_CD56bright_cells	Bindea et al. [16]	XCL1
NK_CD56bright_cells	Bindea et al. [16]	PLA2G6
NK_CD56bright_cells	Bindea et al. [16]	NIBP
NK_CD56bright_cells	Bindea et al. [16]	FOXJ1
NK_CD56bright_cells	Bindea et al. [16]	MARCH6
NK_CD56bright_cells	Bindea et al. [16]	MADD
NK_CD56bright_cells	Bindea et al. [16]	BG255923
NK_CD56bright_cells	Bindea et al. [16]	MPPED1
NK_CD56bright_cells	Bindea et al. [16]	MUC3B
NK_CD56dim_cells	Bindea et al. [16]	KIR3DL2
NK_CD56dim_cells	Bindea et al. [16]	SPON2
NK_CD56dim_cells	Bindea et al. [16]	KIR2DL3
NK_CD56dim_cells	Bindea et al. [16]	GZMB
NK_CD56dim_cells	Bindea et al. [16]	KIR3DS1
NK_CD56dim_cells	Bindea et al. [16]	KIR3DL1
NK_CD56dim_cells	Bindea et al. [16]	FLJ20699
NK_CD56dim_cells	Bindea et al. [16]	PMEPA1
NK_CD56dim_cells	Bindea et al. [16]	IL21R
NK_CD56dim_cells	Bindea et al. [16]	KIR3DL3
NK_CD56dim_cells	Bindea et al. [16]	KIR2DS5
NK_CD56dim_cells	Bindea et al. [16]	KIR2DS2
NK_CD56dim_cells	Bindea et al. [16]	GTF3C1
NK_CD56dim_cells	Bindea et al. [16]	KIR2DS1
NK_CD56dim_cells	Bindea et al. [16]	S1PR5
aDC	Bindea et al. [16]	CCL1
aDC	Bindea et al. [16]	EBI3
aDC	Bindea et al. [16]	IDO1
aDC	Bindea et al. [16]	LAMP3
aDC	Bindea et al. [16]	OAS3
iDC	Bindea et al. [16]	CD1B
iDC	Bindea et al. [16]	VASH1
iDC	Bindea et al. [16]	F13A1
iDC	Bindea et al. [16]	CD1E
iDC	Bindea et al. [16]	MMP12
iDC	Bindea et al. [16]	FABP4
iDC	Bindea et al. [16]	CLEC10A
iDC	Bindea et al. [16]	SYT17
iDC	Bindea et al. [16]	MS4A6A
iDC	Bindea et al. [16]	CTNS
iDC	Bindea et al. [16]	GUCA1A
iDC	Bindea et al. [16]	CARD9

iDC	Bindea et al. [16]	ABCG2
iDC	Bindea et al. [16]	CD1A
iDC	Bindea et al. [16]	PPARG
iDC	Bindea et al. [16]	RAP1GAP
iDC	Bindea et al. [16]	SLC7A8
iDC	Bindea et al. [16]	GSTT1
iDC	Bindea et al. [16]	NM_021941
iDC	Bindea et al. [16]	FZD2
iDC	Bindea et al. [16]	CSF1R
iDC	Bindea et al. [16]	HS3ST2
iDC	Bindea et al. [16]	CH25H
iDC	Bindea et al. [16]	LMAN2L
iDC	Bindea et al. [16]	SLC26A6
iDC	Bindea et al. [16]	BLVRB
iDC	Bindea et al. [16]	NUDT9
iDC	Bindea et al. [16]	PREP
iDC	Bindea et al. [16]	DCSTAMP
iDC	Bindea et al. [16]	TACSTD2
iDC	Bindea et al. [16]	CD1C
pDC	Charoentong et al. [17]	CBX6
pDC	Charoentong et al. [17]	DAB2
pDC	Charoentong et al. [17]	DDX17
pDC	Charoentong et al. [17]	HIGD1A
pDC	Charoentong et al. [17]	IDH3A
pDC	Charoentong et al. [17]	IL3RA
pDC	Charoentong et al. [17]	MAGED1
pDC	Charoentong et al. [17]	NUCB2
pDC	Charoentong et al. [17]	OFD1
pDC	Charoentong et al. [17]	OGT
pDC	Charoentong et al. [17]	PDIA4
pDC	Charoentong et al. [17]	SERTAD2
pDC	Charoentong et al. [17]	SIRPA
pDC	Charoentong et al. [17]	TMED2
pDC	Charoentong et al. [17]	ENG
pDC	Charoentong et al. [17]	FCAR
pDC	Charoentong et al. [17]	IGF1
pDC	Charoentong et al. [17]	ITGA2B
pDC	Charoentong et al. [17]	GABARAP
pDC	Charoentong et al. [17]	GPX1
pDC	Charoentong et al. [17]	KRT23
pDC	Charoentong et al. [17]	PROK2
pDC	Charoentong et al. [17]	RALB
pDC	Charoentong et al. [17]	RETNLB
pDC	Charoentong et al. [17]	RNF141
pDC	Charoentong et al. [17]	SEC14L1
pDC	Charoentong et al. [17]	SEPX1
pDC	Charoentong et al. [17]	EMP3
pDC	Charoentong et al. [17]	CD300LF
pDC	Charoentong et al. [17]	ABTB1
pDC	Charoentong et al. [17]	KLHL21
pDC	Charoentong et al. [17]	PHRF1
Eosinophils	Bindea et al. [16]	IL5RA
Eosinophils	Bindea et al. [16]	KCNH2
Eosinophils	Bindea et al. [16]	TKTL1
Eosinophils	Bindea et al. [16]	ADGRE1
Eosinophils	Bindea et al. [16]	CCR3
Eosinophils	Bindea et al. [16]	ACACB
Eosinophils	Bindea et al. [16]	THBS1
Eosinophils	Bindea et al. [16]	GALC
Eosinophils	Bindea et al. [16]	RNU2

Eosinophils	Bindea et al. [16]	CLC
Eosinophils	Bindea et al. [16]	HIST1H1C
Eosinophils	Bindea et al. [16]	CYSLTR2
Eosinophils	Bindea et al. [16]	HRH4
Eosinophils	Bindea et al. [16]	RNASE2
Eosinophils	Bindea et al. [16]	CAT
Eosinophils	Bindea et al. [16]	LRP5L
Eosinophils	Bindea et al. [16]	SYNJ1
Eosinophils	Bindea et al. [16]	THBS4
Eosinophils	Bindea et al. [16]	PTGDR2
Eosinophils	Bindea et al. [16]	KBTBD11
Eosinophils	Bindea et al. [16]	HES1
Eosinophils	Bindea et al. [16]	ABHD2
Eosinophils	Bindea et al. [16]	TIPARP
Eosinophils	Bindea et al. [16]	SMPD3
Eosinophils	Bindea et al. [16]	MYO15B
Eosinophils	Bindea et al. [16]	TGIF1
Eosinophils	Bindea et al. [16]	RRP12
Eosinophils	Bindea et al. [16]	CD101
Eosinophils	Bindea et al. [16]	RCOR3
Eosinophils	Bindea et al. [16]	EPN2
Eosinophils	Bindea et al. [16]	TRMO
Eosinophils	Bindea et al. [16]	SIAH1
Mast_cells	Bindea et al. [16]	PRG2
Mast_cells	Bindea et al. [16]	CTSG
Mast_cells	Bindea et al. [16]	TPSAB1
Mast_cells	Bindea et al. [16]	SLC18A2
Mast_cells	Bindea et al. [16]	MS4A2
Mast_cells	Bindea et al. [16]	CPA3
Mast_cells	Bindea et al. [16]	TPSB2
Mast_cells	Bindea et al. [16]	NM_003293
Mast_cells	Bindea et al. [16]	GATA2
Mast_cells	Bindea et al. [16]	HDC
Mast_cells	Bindea et al. [16]	VWA5A
Mast_cells	Bindea et al. [16]	SIGLEC6
Mast_cells	Bindea et al. [16]	ELANE
Mast_cells	Bindea et al. [16]	LOH11CR2A
Mast_cells	Bindea et al. [16]	CMA1
Mast_cells	Bindea et al. [16]	PGDS
Mast_cells	Bindea et al. [16]	MLPH
Mast_cells	Bindea et al. [16]	ADCYAP1
Mast_cells	Bindea et al. [16]	SLC24A3
Mast_cells	Bindea et al. [16]	CALB2
Mast_cells	Bindea et al. [16]	KIT
Mast_cells	Bindea et al. [16]	TAL1
Mast_cells	Bindea et al. [16]	ABCC4
Mast_cells	Bindea et al. [16]	PPM1H
Mast_cells	Bindea et al. [16]	MAOB
Mast_cells	Bindea et al. [16]	HPGD
Mast_cells	Bindea et al. [16]	SCG2
Mast_cells	Bindea et al. [16]	PTGS1
Mast_cells	Bindea et al. [16]	CEACAM8
Mast_cells	Bindea et al. [16]	MPO
Mast_cells	Bindea et al. [16]	NR0B1
Mast_cells	Bindea et al. [16]	LOC339524
Neutrophils	Bindea et al. [16]	CSF3R
Neutrophils	Bindea et al. [16]	CYP4F3
Neutrophils	Bindea et al. [16]	VNN3
Neutrophils	Bindea et al. [16]	FPR2
Neutrophils	Bindea et al. [16]	KCNJ15

Neutrophils	Bindea et al. [16]	MME
Neutrophils	Bindea et al. [16]	CXCR1
Neutrophils	Bindea et al. [16]	CXCR2
Neutrophils	Bindea et al. [16]	FCGR3B
Neutrophils	Bindea et al. [16]	DYSF
Neutrophils	Bindea et al. [16]	FCAR
Neutrophils	Bindea et al. [16]	CEACAM3
Neutrophils	Bindea et al. [16]	HIST1H2BC
Neutrophils	Bindea et al. [16]	HPSE
Neutrophils	Bindea et al. [16]	FLJ11151
Neutrophils	Bindea et al. [16]	CREB5
Neutrophils	Bindea et al. [16]	S100A12
Neutrophils	Bindea et al. [16]	TNFRSF10C
Neutrophils	Bindea et al. [16]	SLC22A4
Neutrophils	Bindea et al. [16]	TECPR2
Neutrophils	Bindea et al. [16]	SLC25A37
Neutrophils	Bindea et al. [16]	BST1
Neutrophils	Bindea et al. [16]	CRISPLD2
Neutrophils	Bindea et al. [16]	G0S2
Neutrophils	Bindea et al. [16]	SIGLEC5
Neutrophils	Bindea et al. [16]	CD93
Neutrophils	Bindea et al. [16]	MGAM
Neutrophils	Bindea et al. [16]	ALPL
Neutrophils	Bindea et al. [16]	FPR1
Neutrophils	Bindea et al. [16]	PDE4B
Neutrophils	Bindea et al. [16]	LILRB2
Macrophages	Bindea et al. [16]	MARCO
Macrophages	Bindea et al. [16]	CXCL5
Macrophages	Bindea et al. [16]	SCG5
Macrophages	Bindea et al. [16]	SULT1C4
Macrophages	Bindea et al. [16]	MSR1
Macrophages	Bindea et al. [16]	CTSK
Macrophages	Bindea et al. [16]	PTGDS
Macrophages	Bindea et al. [16]	COLEC12
Macrophages	Bindea et al. [16]	GPC4
Macrophages	Bindea et al. [16]	PCOLCE2
Macrophages	Bindea et al. [16]	CHIT1
Macrophages	Bindea et al. [16]	ANOS1
Macrophages	Bindea et al. [16]	CLEC5A
Macrophages	Bindea et al. [16]	ME1
Macrophages	Bindea et al. [16]	DNASE2B
Macrophages	Bindea et al. [16]	CCL7
Macrophages	Bindea et al. [16]	FN1
Macrophages	Bindea et al. [16]	CD163
Macrophages	Bindea et al. [16]	GM2A
Macrophages	Bindea et al. [16]	SCARB2
Macrophages	Bindea et al. [16]	BCAT1
Macrophages	Bindea et al. [16]	RAI14
Macrophages	Bindea et al. [16]	COL8A2
Macrophages	Bindea et al. [16]	APOE
Macrophages	Bindea et al. [16]	CHI3L1
Macrophages	Bindea et al. [16]	ATG7
Macrophages	Bindea et al. [16]	CD84
Macrophages	Bindea et al. [16]	FDX1
Macrophages	Bindea et al. [16]	MS4A4A
Macrophages	Bindea et al. [16]	SGMS1
Macrophages	Bindea et al. [16]	EMP1
Macrophages	Bindea et al. [16]	CYBB
Macrophages	Bindea et al. [16]	CD68

Supplementary Table 3. Multivariate analysis of clinicopathological variables by immune group. Results from a multinomial logistic regression.

		IG2				IG3			
		Point estimate	95% LCI	95% UCI	p-value	Point estimate	95% LCI	95% UCI	p-value
	(Intercept)	3.77	0.29	48.84	0.3099	9.55	0.43	Inf	0.1522
	Age	0.97	0.94	1	0.0538	0.96	0.92	1	0.0324
Sex	Female	0.64	0.25	1.61	0.341	1.63	0.54	4.95	0.3868
	II	2.3	0.39	13.65	0.36	0.91	0.13	6.42	0.9278
Stage	III	3.15	0.61	16.33	0.1723	1.07	0.19	6.08	0.9382
	IV	2.55	0.46	14.25	0.2853	0.48	0.06	3.51	0.4657
Histology	Biphasic	0.49	0.25	0.94	0.0319	0.11	0.02	0.5	0.0045
	Sarcomatoid	0.21	0.02	1.81	0.1545	-	-	-	-
Asbestos	Possible	2.04	0.15	27.47	0.5902	2.26	0.1	50.27	0.6057
	Yes	0.44	0.22	0.9	0.0238	0.43	0.15	1.22	0.1108
Neoadjuvant therapy	Yes	2.49	1.03	6.01	0.0428	3.13	0.89	11.01	0.0756

Supplementary Table 4. Comparison of immune groups with other published classifications.

	N	IG1 N=106	IG2 N=78	IG3 N=27	p-value
Bueno et al. classification, N (%):	211				<0.001
Epithelioid		12 (11.32%)	26 (33.33%)	16 (59.26%)	
Biphasic-E		42 (39.62%)	21 (26.92%)	9 (33.33%)	
Biphasic-S		37 (34.91%)	19 (24.36%)	0 (0.00%)	
Sarcomatoid		15 (14.15%)	12 (15.38%)	2 (7.41%)	
Hmeljak et al. classification, N (%):	74				0.008
S1		4 (10.81%)	10 (33.33%)	5 (71.43%)	
S2		6 (16.22%)	7 (23.33%)	2 (28.57%)	
S3		14 (37.84%)	6 (20.00%)	0 (0.00%)	
S4		13 (35.14%)	7 (23.33%)	0 (0.00%)	
De Reyniès et al. classification, N (%):	38				0.119
C1		7 (29.17%)	7 (53.85%)	1 (100.00%)	
C2		17 (70.83%)	6 (46.15%)	0 (0.00%)	