

Figure S1 Representative images of interleukin 6 receptor (IL6R) IHC were taken at $5 \times (top)$ and $20 \times (bottom)$ magnifications. The scale bars are marked in the lower right corner of the image.

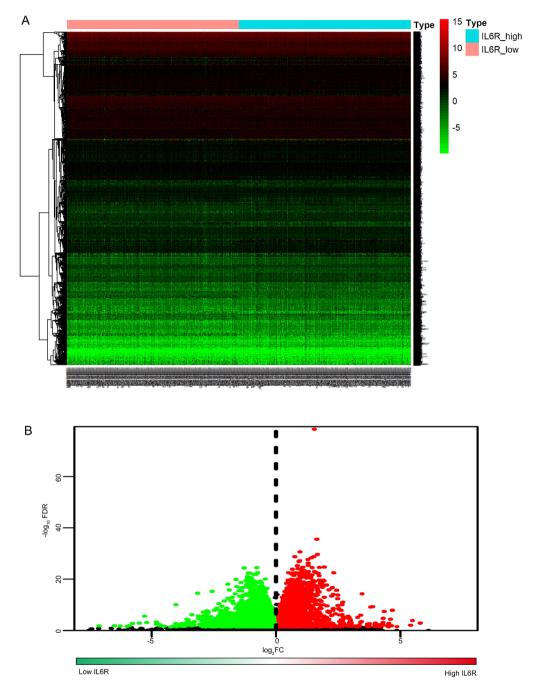


Figure S2 Heat map and volcano map of differential genes between high and low interleukin 6 receptor (IL6R) expression groups. (A) Heat map; (B) Volcano map.

P value 1.0 0.5			BCB	A lishaive	mem	erony care care care care constrained to the constrained to the constraint and the constr											ed sting	inated						
0.0 -0.5		11-68	BCB	15. Pce	IISI PIR	Sen Loe	NSC CO	Tcell	50 ~ C	A Ce	ACE YOU	All's Alt	con At	ien Nor	Nach	Mac	Nar	of Cer	o. Deu	N/8 ²	No.	405	ç.	
-1.0	Neutrophils	0.11	0.2	0.07	0.3	0.01	0.2	0.61	0	0	0.12	0.32	0.08	0.85	0.65	0	0	0.91	0.92	0.06	0	0		
	Eosinophils	0.09	0.59	0.2	0.35	0.03	0.18	0.93	0.47	0	0.23	0.62	0.97	0	0.05	0.02	0.27	0.13	0.25	0.51	0.05		0.2	Eosinophils
Mastcellsactivated		0.01	0.03	0.7	0.63	0.01	0	0.43	0.11	0.49	0.18	0	0	0.15	0	0.07	0.39	0.11	0.99	0		0.1	0.2	Mastcellsactivated
Mastcellsresting		0	0.13	0.97	0	0	0	0	0	0	0.71	0	0	0	0	0	0	0	0.14		-0.3	0	-0.1	Mastcellsresting
Dendriti	ccellsactivated	0.54	0.05	0.11	0.06	0	0.39	0.01	0	0.34	0.26	0.54	0.87	0	0.02	0	0.6	0.26		0.1	0	0.1	0	Dendriticcellsactivated
Dendriticcellsresting		0	0	0.22	0	0	0.01	0	0.02	0.43	0.34	0	0.44	0	0	0	0.98		0.1	0.3	-0.1	0.1	0	Dendriticcellsresting
MacrophagesM2		0.04	0	0	0	0	0.25	0	0	0	0.05	0.5	0.1	0	0.61	0.01		0	0	0.2	0	0	0.1	MacrophagesM2
MacrophagesM1		0	0.54	0	0.01	0	0.01	0	0.07	0.4	0	0	0.77	0	0.59		-0.1	-0.2	-0.3	-0.1	-0.1	-0.1	-0.2	MacrophagesM1
MacrophagesM0		0	0	0.15	0.01	0	0	0.03	0.5	0	0.29	0.57	0	0		0	0	-0.3	-0.1	-0.4	0.2	-0.1	0	MacrophagesM0
Monocytes		0	0	0.34	0	0	0.03	0	0.12	0.01	0	0.23	0.74		-0.3	-0.3	0.2	0.3	0.1	0.3	-0.1	0.1	0	Monocytes
Ν	Kcellsactivated	0.16	0.21	0.66	0.71	0.02	0.06	0.8	0	0.29	0.79	0		0	-0.2	0	-0.1	0	0	0.2	-0.1	0	-0.1	NKcellsactivated
	NKcellsresting	0.18	0.18	0.01	0.05	0	0	0	0.8	0.2	0		-0.3	-0.1	0	0.2	0	-0.1	0	-0.2	0.2	0	0	NKcellsresting
Тсе	ellsgammadelta	0.08	0.25	0.99	0.53	1	0.15	0.04	0.38	0.14		-0.1	0	-0.2	0	0.2	-0.1	0	-0.1	0	-0.1	0.1	-0.1	Tcellsgammadelta
Tcellsre	gulatory_Tregs	0.07	0.17	0	0.18	0.03	0	0	0.1		-0.1	-0.1	0	-0.1	0.1	0	-0.3	0	0	-0.2	0	-0.1	-0.1	Tcellsregulatory_Tregs
Tcells	follicularhelper	0.84	0	0.04	0.69	0	0	0.47		0.1	0	0	0.2	-0.1	0	0.1	-0.2	-0.1	0.1	-0.2	-0.1	0	-0.2	Tcellsfollicularhelper
TcellsCD4memoryactivated		0	0.99	0.01	0.82	0	0		0	-0.2	0.1	0.3	0	-0.2	-0.1	0.3	-0.2	-0.2	-0.1	-0.2	0	0	0	TcellsCD4memoryactivated
TcellsC	D4memoryresting	0	0.04	0.12	0.01	0		-0.3	-0.3	-0.2	-0.1	-0.1	-0.1	0.1	-0.3	-0.1	0.1	0.1	0	0.2	0.1	0.1	0.1	TcellsCD4memoryresting
	TcellsCD8	0.11	0.12	0.42	0.83		-0.4	0.5	0.2	0.1	0	0.2	0.1	-0.2	-0.2	0.2	-0.3	-0.2	-0.2	-0.2	-0.1	-0.1	-0.1	TcellsCD8
	Plasmacells	0.01	0.46	0.87		0	-0.1	0	0	0.1	0	-0.1	0	-0.2	-0.1	-0.1	-0.3	-0.3	-0.1	-0.2	0	0	0	Plasmacells
	Bcellsmemory	0	0.06		0	0	0.1	-0.1	-0.1	0.2	0	-0.1	0	0	-0.1	-0.1	-0.2	0.1	-0.1	0	0	-0.1	-0.1	Bcellsmemory
	Bcellsnaive	0.61		-0.1	0	0.1	0.1	0	0.2	0.1	0.1	-0.1	-0.1	-0.2	-0.1	0	-0.2	-0.2	0.1	-0.1	-0.1	0	-0.1	Bcellsnaive
			0	0.1	-0.1	-0.1	0.3	-0.2	0	-0.1	-0.1	-0.1	-0.1	0.2	-0.3	-0.2	0.1	0.1	0	0.3	-0.1	0.1	-0.1	IL6R_mRNA
	<	acellan B	ave cells me	Plasm Toell	COAME	on on the second	to Nach	valed licular	atory -	annac Mtc	ella ellarest	ing isaciwa	Nonoci Nacr	hes had	haden by the second	ontage phage	ant and a start and a start a	Ing history	Jed stellstellstellstellstellstellstellstel	iin ^Q iisaciwa	ted opinop	nils Veutror	cils	Corr 1.0 0.5 0.0 -0.5 -1.0

Figure S3 Heat map of the correlation of 21 immune infiltrating cells.