Table S2. MHC genes list detected in the NSCLC tissue dataset

No.	Symbol	MHC class	
1	HLA-DOB	II	
2	HLA-E	I	
3	HLA-C	I	
4	HLA-B	I	
5	HLA-G	I	
6	HLA-A	I	
7	HLA-F	I	
8	HLA-DQA2	II	
9	HLA-DQA1	II	
10	HLA-DRA	П	
11	HLA-DRB5	II	
12	HLA-DQB1	II	
13	HLA-DRB1	П	
14	HLA-DMA	II	
15	HLA-DPB1	П	
16	HLA-DPA1	II	
17	HLA-DMB	П	
18	HLA-DOA	П	

**Note:** The *MHC* genes family, which are also called human leukocyte antigen (*HLA*), is mainly divided into two subgroups: class I, class II; *MHC* I genes present antigens to the TCRs of CTL cells and *MHC* II genes present antigens to the TCRs of Th cells. The genes were clustered using hierarchical clustering by Euclidean distance and the order was consistent with that displayed in the Fig. 3A.