

**Table S4. Gene lists and sources of each gene sets used in the analysis of public PDAC patient scRNA-seq data**

Antigen-presenting genes	Interferon-induced genes	Exhaustion genes
Baldominos, P., et al. 2022	Baldominos, P., et al. 2022	Bhatt, D., et al. 2021
<i>ISG15</i>	<i>IFI44</i>	<i>TIGIT</i>
<i>IRF7</i>	<i>IFI35</i>	<i>PDCD1</i>
<i>HLA-C</i>	<i>GBP7</i>	<i>HAVCR2</i>
<i>HLA-DRB1</i>	<i>GBP5</i>	<i>LAG3</i>
<i>HLA-DRA</i>	<i>GBP2</i>	
<i>HLA-E</i>	<i>ISG15</i>	
<i>HLA-A</i>	<i>IRF7</i>	
<i>B2M</i>	<i>IRF2</i>	
<i>TAPBP</i>		
<i>TAP1</i>		
<i>PSMB10</i>		
<i>CD81</i>		
<i>IL12A</i>		
<i>FSCN1</i>		