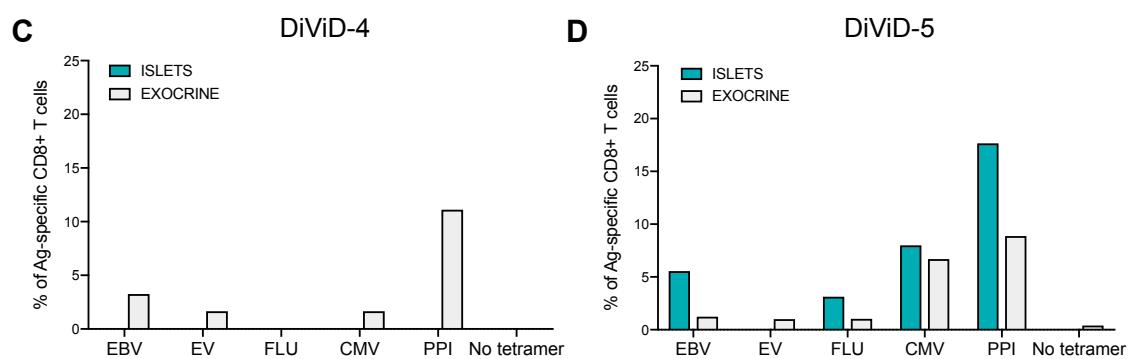
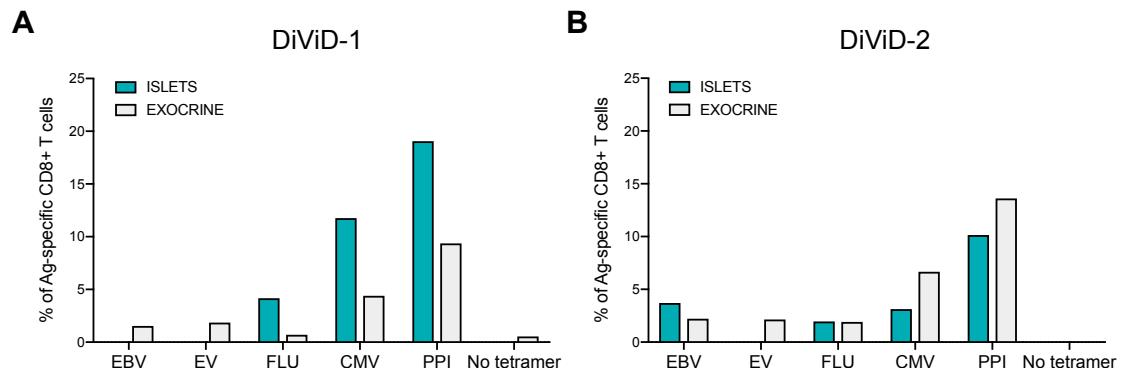


**Supplementary Figure 1:** Quantification of tetramer positive cells in the islets and exocrine tissue. **A-D)** Bar graphs show the percentage of antigen-specific (Ag-specific) CD8+ T cells for each tissue section and individual (DiViD-1, 2, 4 and 5). Preproinsulin (PPI), cytomegalovirus (CMV), Epstein-Barr Virus (EBV), Influenza A virus (FLU), enterovirus (EV) and negative control without tetramer (no tetramer). The summary table shows the percentage of antigen-specific CD8+ cells in **E)** islets and **F)** exocrine tissue, for each antigen and subject. Iris blue represents data in islets and grey represents data in the exocrine tissue.



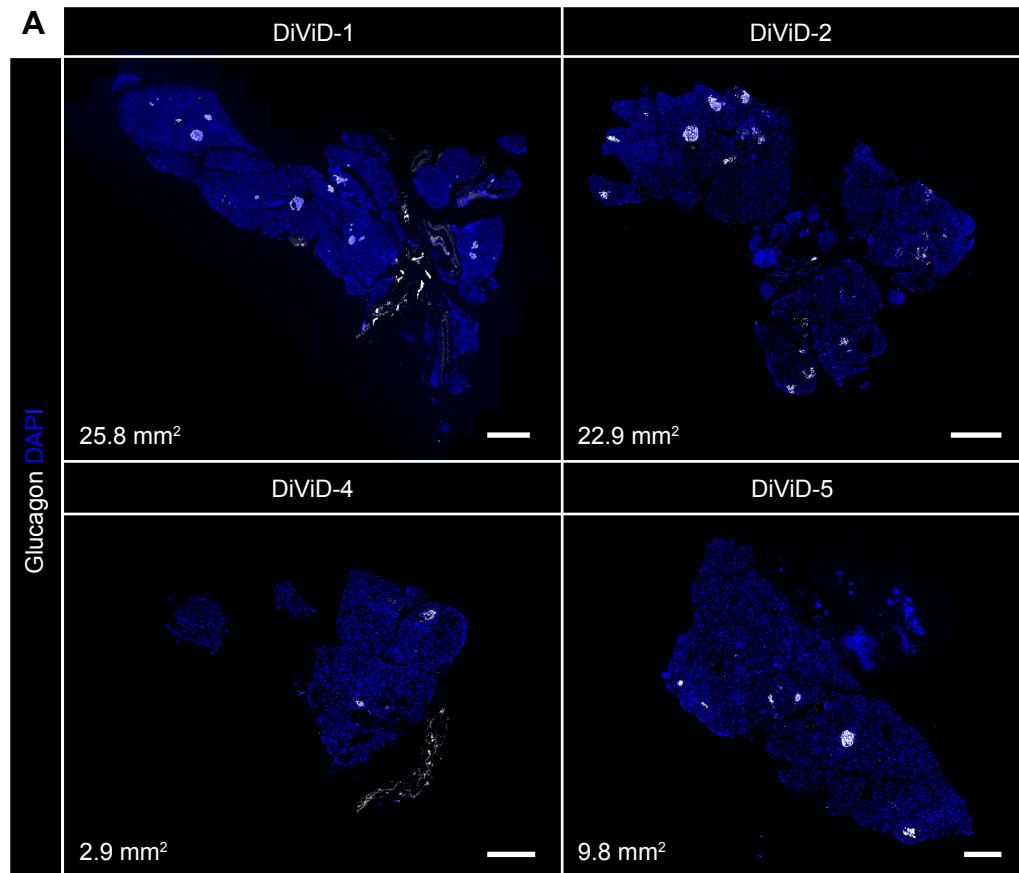
**E** Percentage of tetramer+ CD8+ T cells in islets

	EBV	EV	FLU	CMV	PPI	No tetramer
DiViD-1	0	0	4.17	11.76	19.05	0
DiViD-2	3.7	0	1.96	3.13	10.14	0
DiViD-4	0	0	0	0	0	0
DiViD-5	5.56	0	3.13	8	17.65	0

**F** Percentage of tetramer+ CD8+ T cells in exocrine

	EBV	EV	FLU	CMV	PPI	No tetramer
DiViD-1	1.54	1.85	0.7	4.4	9.37	0.54
DiViD-2	2.21	2.14	1.92	6.67	13.61	0
DiViD-4	3.33	1.67	0	1.69	11.17	0
DiViD-5	1.24	1.01	1.03	6.69	8.88	0.40

**Supplementary Figure 2:** **A)** Representative images from immunofluorescence staining on pancreas sections from DiViD-1, DiViD-2, DiViD-4 and DiViD-5. Glucagon is shown in white and DAPI in blue. The area of the tissue section is indicated in each image. Scale bars 500 µm. The summary table shows the absolute number of tetramer+ CD8+ T cells in **B)** the whole tissue section, **C)** in islets and **D)** in exocrine tissue, for each antigen and subject.



**B** Total number of tetramer+ CD8+ T cells

	EBV	EV	FLU	CMV	PPI	No tetramer
DiViD-1	20	24	10	59	125	7
DiViD-2	15	11	12	37	80	0
DiViD-4	6	3	0	3	20	0
DiViD-5	8	5	6	35	49	2
Mean	12.25	10.75	7	33.5	68.5	2.25

**C** Number of tetramer+ CD8+ T cells in islets

	EBV	EV	FLU	CMV	PPI	No tetramer
DiViD-1	0	0	1	2	4	0
DiViD-2	3	0	2	4	14	0
DiViD-4	0	0	0	0	0	0
DiViD-5	2	0	1	2	6	0
Mean	1.25	0	1	2	6	0

**D** Number of tetramer+ CD8+ T cells in exocrine tissue

	EBV	EV	FLU	CMV	PPI	No tetramer
DiViD-1	20	24	9	57	121	7
DiViD-2	12	11	10	33	66	0
DiViD-4	6	3	0	3	20	0
DiViD-5	6	5	5	33	43	2
Mean	11	10.75	6	31.5	62.5	2.25