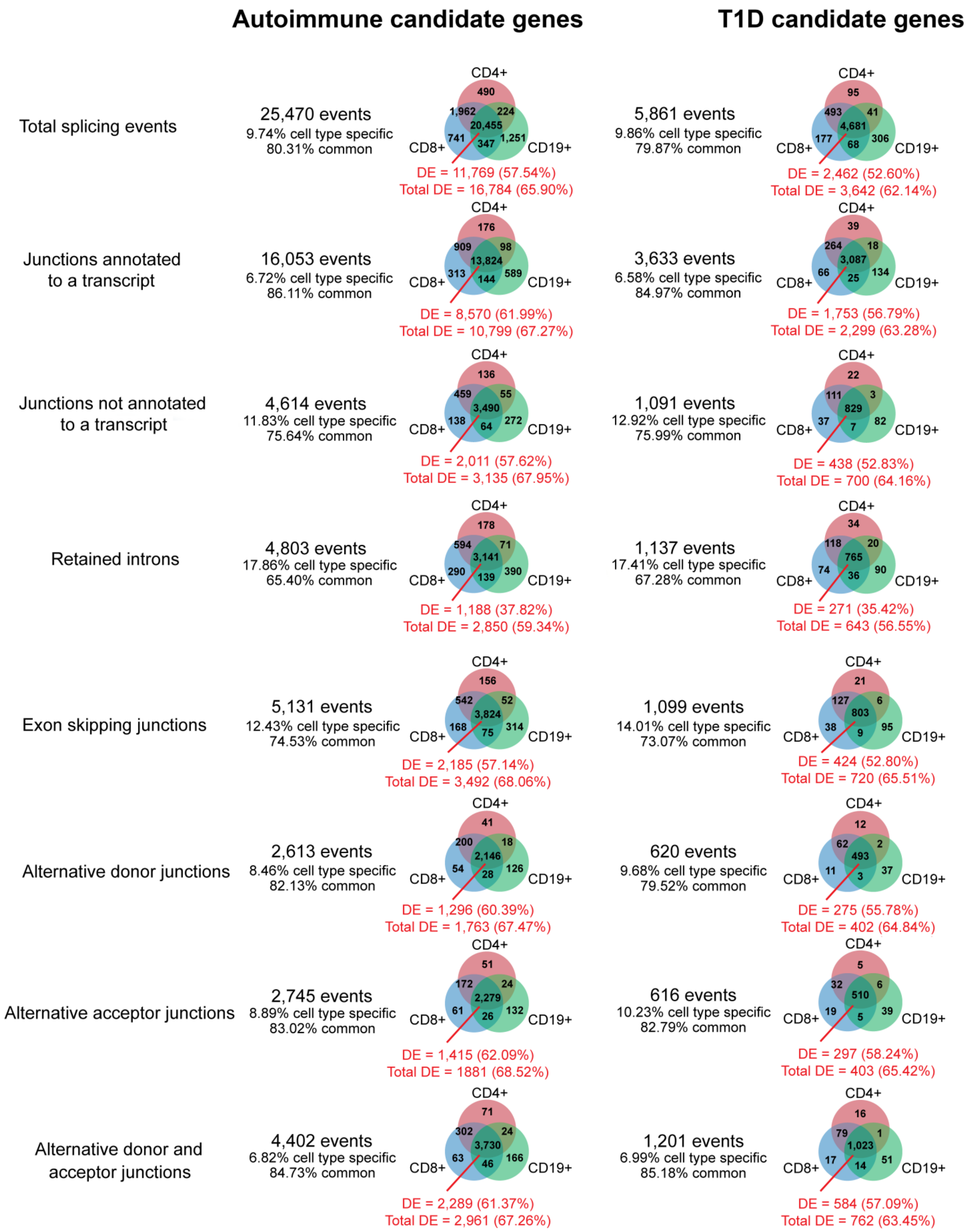
Autoimmune candidate genes
T1D candidate genes
Total splicing events
25,470 events
9.74% cell type specific
80.31% common
CD4+
490
1,962
224
20,455
741
347
1,251
CD8+
CD19+
DE = 11,769 (57.54%)
Total DE = 16,784 (65.90%)
5,861 events
9.86% cell type specific
79.87% common
CD4+
95
493
41
4,681
177
68
306
CD8+
CD19+
DE = 2,462 (52.60%)
Total DE = 3,642 (62.14%)
Junctions annotated to a transcript
16,053 events
6.72% cell type specific
86.11% common
CD4+
176
909
98
13,824
313
144
589
CD8+
CD19+
DE = 8,570 (61.99%)
Total DE = 10,799 (67.27%)
3,633 events
6.58% cell type specific
84.97% common
CD4+
39
264
18
3,087
66
25
134
CD8+
CD19+
DE = 1,753 (56.79%)
Total DE = 2,299 (63.28%)
Junctions not annotated to a transcript
4,614 events
11.83% cell type specific
75.64% common
CD4+
136
459
55
3,490
138
64
272
CD8+
CD19+
DE = 2,011 (57.62%)
Total DE = 3,135 (67.95%)
1,091 events
12.92% cell type specific
75.99% common
CD4+
22
111
3
829
37
7
82
CD8+
CD19+
DE = 438 (52.83%)
Total DE = 700 (64.16%)
Retained introns
4,803 events
17.86% cell type specific
65.40% common
CD4+
178
594
71
3,141
290
139
390
CD8+
CD19+
DE = 1,188 (37.82%)
Total DE = 2,850 (59.34%)
1,137 events
17.41% cell type specific
67.28% common
CD4+
34
118
20
765
74
36
90
CD8+
CD19+
DE = 271 (35.42%)
Total DE = 643 (56.55%)
Exon skipping junctions
5,131 events
12.43% cell type specific
74.53% common
CD4+
156
542
52
3,824
168
75
314
CD8+
CD19+
DE = 2,185 (57.14%)
Total DE = 3,492 (68.06%)
1,099 events
14.01% cell type specific
73.07% common
CD4+
21
127
6
803
38
9
95
CD8+
CD19+
DE = 424 (52.80%)
Total DE = 720 (65.51%)
Alternative donor junctions
2,613 events
8.46% cell type specific
82.13% common
CD4+
41
200
18
2,146
54
28
126
CD8+
CD19+
DE = 1,296 (60.39%)
Total DE = 1,763 (67.47%)
620 events
9.68% cell type specific
79.52% common
CD4+
12
62
2
493
11
3
37
CD8+
CD19+
DE = 275 (55.78%)
Total DE = 402 (64.84%)
Alternative acceptor junctions
2,745 events
8.89% cell type specific
83.02% common
CD4+
51
172
24
2,279
61
26
132
CD8+
CD19+
DE = 1,415 (62.09%)
Total DE = 1881 (68.52%)
616 events
10.23% cell type specific
82.79% common
CD4+
5
32
6
510
19
5
39
CD8+
CD19+
DE = 297 (58.24%)
Total DE = 403 (65.42%)
Alternative donor and acceptor junctions
4,402 events
6.82% cell type specific
84.73% common
CD4+
71
302
24
3,730
63
46
166
CD8+
CD19+
DE = 2,289 (61.37%)
Total DE = 2,961 (67.26%)
1,201 events
6.99% cell type specific
85.18% common
CD4+
16
79
1
1,023
17
14
51
CD8+
CD19+
DE = 584 (57.09%)
Total DE = 762 (63.45%)

Supplemental Figure S3. Splicing events in autoimmune disease and T1D candidate genes detected in the three lymphocyte classes. Splicing events amongst expressed autoimmune and T1D candidate genes from ImmunoBase in CD4+ T (red), CD8+ T (blue) and CD19+ B (green) lymphocytes. Counts reported are the number of splicing events detected in each tissue (tissue-specific and shared between two or more tissues). Tissue-specific events for each splicing event type are reported as percentage of all detected splicing events of that event type. Common events are the percentage of splicing events detected in all three tissues, differentially-expressed splicing events (red text) are reported as a proportion of these common events. “Total DE” is the total number of differentially expressed splicing events defined as the sum of splicing events detected in one or two tissues and the number of splicing events detected in all three tissues that are DE.