Figure S1. Experimental strategy used to show that Adora2a deletion results in incomplete maturation of SP thymocytes. (A and B) Example of gating for Qa2<sup>hi</sup>HSA<sup>lo</sup> populations in the SP thymocytes from Adora2a<sup>+/+</sup> (A) and Adora2a<sup>−/−</sup> (B) mice.
| Target antigen | Fluorescent tag | Clone | Source | Dilutions |
|----------------|----------------|-------|--------|-----------|
| Annexin V      | PE             | BD    |        | 1:50      |
| Akt (ser473)   | AF647          | D9E   | Cell Signaling Technology | 1:20 |
| B20            | eFluor450      | RA3-6B2 | eBioscience | 1:400  |
| B20            | PE-Cy7         | RA3-6B2 | BioLegend | 1:400  |
| CCR7           | PerCP-Cy5.5    | 4B12  | BioLegend | 1:400  |
| CD3            | PerCP-By5.5    | 145-2C11 | eBioscience | 1:400  |
| CD3            | PE             | 145-2C11 | eBioscience | 1:400  |
| CD4            | PE-AF610       | RM4-5 | Invitrogen | 1:400  |
| CD8            | APC-eFluor780  | 53-6.7 | eBioscience | 1:400  |
| CD8            | APC-AF750      | 53-6.7 | eBioscience | 1:400  |
| CD19           | eFluor450      | ebio1D3 | eBioscience | 1:200  |
| CD24/HSA       | FITC           | M1/69 | BD     | 1:400  |
| CD25           | APC            | PC61.5 | eBioscience | 1:200 |
| CD25           | FITC           | 7D4   | BD     | 1:200 |
| CD25           | PE-Cy5         | 7D4   | eBioscience | 1:400 |
| CD44           | AF700          | IM7   | eBioscience | 1:200 |
| CD45.1         | eFluor450      | A20   | eBioscience | 1:400 |
| CD45.2         | FITC           | A20   | BD     | 1:400 |
| CD45.2         | AF700          | 104   | eBioscience | 1:400 |
| CD45           | PE             | 104   | BD     | 1:400 |
| CD45           | AF700          | 30-F11 | eBioscience | 1:400 |
| CD62L          | FITC           | MEL-14 | eBioscience | 1:800 |
| CD127          | AF647          | A7R34 | BioLegend | 1:800 |
| CD127          | PE             | A7R34 | eBioscience | 1:800 |
| Foxp3          | PE             | FJK16s | eBioscience | 1:100 |
| NK.1.1         | PE             | PK136 | eBioscience | 1:200 |
| NK.1.1         | PE-Cy7         | PK136 | eBioscience | 1:200 |
| Qa2            | PE             | 695H1-9-9 | BioLegend | 1:400 |
| TCRb           | PE-Cy7         | H57-597 | eBioscience | 1:200 |
| TCRb           | PE             | H57-597 | eBioscience | 1:200 |
| TCRb           | PB/eFluor450   | H57-597 | eBioscience | 1:200 |
| CD16/32        | purified       | 93    | eBioscience | 1:100 |