Supplementary

Aldh2 Attenuates Stem Cell Factor/Kit Dependent Signaling

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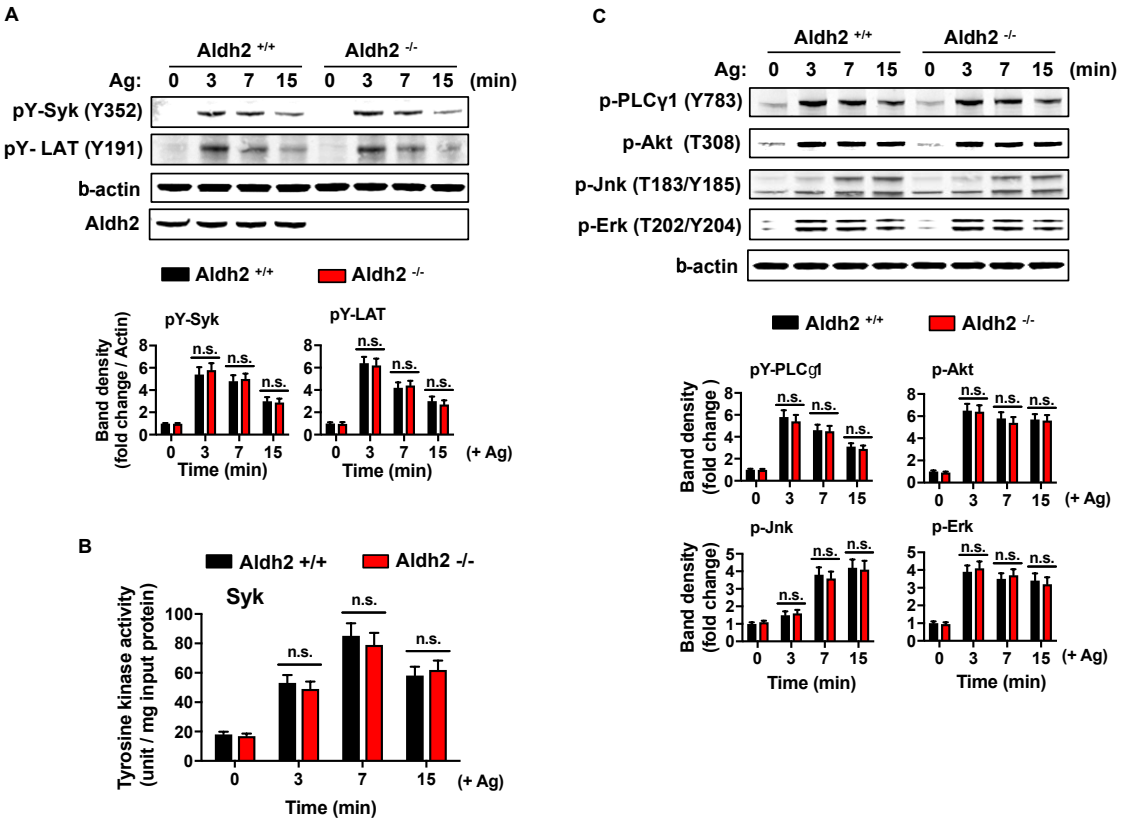

Figure S1. Aldh2 deficiency does not alter FcεRI-mediated signaling in BMMC. (**a**) Changes in the phosphorylation of Syk and LAT at 0, 3, 7 and 15 min after activation with IgE/Ag of Aldh2$^{+/+}$ or Aldh2$^{-/-}$ BMMCs, as indicated. BMMCs were sensitized with anti-DNP IgE (100 ng/mL) overnight, then washed and challenged with 100 ng/mL of Ag (DNP-HSA). Lysates were obtained and phosphorylation of Syk and LAT determined by Western blotting. The histograms below show the

average fold changes in band intensities after normalization using βactin as a loading control. (**b**) Changes in Syk tyrosine kinase phosphorylation in immunoprecipitates of $Aldh2^{+/+}$ or $Aldh2^{-/-}$ BMMCs after stimulation with IgE/Ag for various times, as indicated. (**c**) Changes in the phosphorylation of PLCγ1, Akt, Jnk and Erk at 0, 3, 7 and 15 min after activation with IgE/Ag of $Aldh2^{+/+}$ or $Aldh2^{-/-}$ BMMCs. Lysates were obtained and phosphorylation of Syk and LAT determined by Western blotting. The histograms below show the average fold changes in band intensities after normalization using β-actin as a loading control. Data are the mean ± SEM of 3 independent cultures. N.s., not significant.