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## Supporting Information

## for

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**Alternative activation of macrophages by IL-4 requires SHIP degradation**

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Supplemental Table 1. Molecular weights (kDa) of proteins detected in Western blot analyses.

| Protein | Molecular weight(s) (kDa) |
|---|---|
| SHIP | 145, 135, 125, 110 |
| SHIP2 | 145 |
| pSTAT6 | 105, 89 |
| PTEN | 55 |
| Shc | 52, 46 |
| Ym1 | 45 |
| arginase I | 38, 36.5 |
| GAPDH | 35 |

**Supplemental Table 1**

**Weisser *et al.*, 2010**

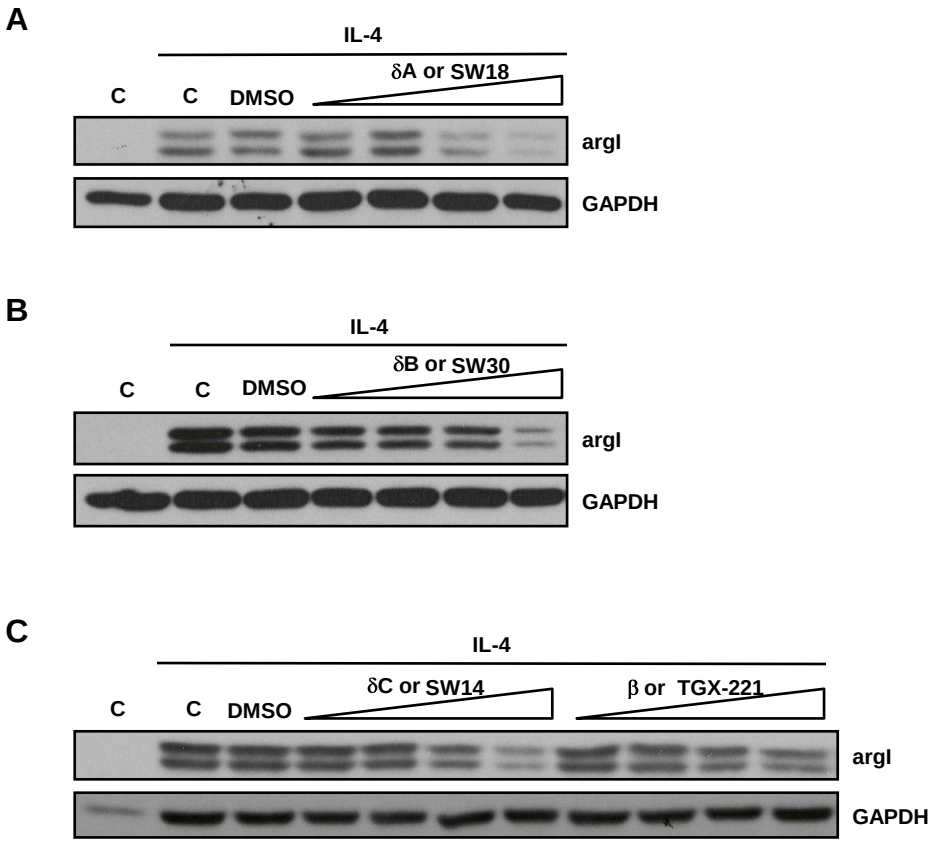
Supplemental Table 2. $IC_{50}$ (μM) values of the p110 isoform-specific PI3K inhibitors against pure p110 enzymes.

| | | $IC_{50}$ (μM) | | | |
|---|---|---|---|---|---|
| Inhibitor | Abbreviation | p110α | p110β | p110δ | p110γ |
| PIK-90 | α | 0.011 | 0.35 | 0.058 | 0.018 |
| TGX-221 | β | 5.0 | 0.005 | 0.1 | >10.0 |
| SW18 | δA | 6.7 | 2.4 | 0.005 | 0.038 |
| SW30 | δB | 85 | 0.74 | 0.007 | 1.3 |
| SW14 | δC | 8.9 | 0.697 | 0.009 | 0.021 |
| AS605240 | γ | 0.06 | 0.27 | 0.3 | 0.008 |

*The $IC_{50}$ values using intact cells are 10-100 times higher [35].

**Supplemental Table 2**

**Weisser *et al.*, 2010**




Supplemental Figure 1. Titrations of the PI3Kp110 isoform specific inhibitors that were effective at reducing argI expression. BMmΦs were untreated (C) or pre-treated with vehicle (0.1% DMSO) or 0.16μM, 0.63μM, 2.5μM, or 10.0μM concentrations of inhibitor followed by 3 days of treatment with 10ng/ml IL-4. WCLs were analyzed for argI and GAPDH (as a loading control) by Western blotting. Titrations were performed for the PI3Kp110δ catalytic subunit inhibitors: SW18 (A), SW30 (B), SW14 (C) and the PI3Kp110β catalytic subunit inhibitor, TGX221 (C).

**Supplemental Figure 1**

**Weisser *et al.*, 2010**