

## Supplementary Material

**Supplementary Figure.** Rarefaction plots for gut microbes (4 (4-week, 8-week, and 12-week cohorts). C4, C8, and C12: non-diabetic (*db/+*) mice fed a standard diet for 4, 8 or 12 weeks; D4, D8, and D12: diabetic (*db/db*) mice fed a standard diet for 4, 8 or 12 weeks; D4B1, D8B1, and D12B1: diabetic (*db/db*) mice fed 1.23% freeze-dried blueberries (FD-BB) supplemented diet for 4, 8 or 12 weeks; D4B2, D8B2, and D12B2: diabetic (*db/db*) mice fed a 2.46% FD-BB supplemented diet for 4, 8 or 12 weeks; and D4B3, D8B3, and D12B3: diabetic (*db/db*) mice fed a 3.7% FD-BB supplemented diet for 4, 8 or 12 weeks.

