

Comparison	Comparisons	N	Age	Male %	Baseline FEV1(L)	Current smoker %
LABA vs placebo	8	4,169	62.9	67	1.34	48
LAMA vs placebo	9	5,037	63.3	69	1.34	48
LABA/LAMA vs placebo	9	5,604	63.2	69	1.36	48
LABA vs LAMA	10	8,680	63.6	71	1.29	43
LABA vs LABA/LAMA	11	9,783	63.5	70	1.28	44
LAMA vs LABA/LAMA	20	20,793	63.6	62	1.21	40

Table S5. Study characteristics of class pair-wise comparisons and transitivity assessment. FEV1= forced expiratory volume in 1 second; LABA= long-acting beta-agonist; LAMA= long-acting muscarinic antagonist; N= number of subjects