

# SSAT 066: Statistical Analyses Results

Version 6.0: 22<sup>nd</sup> January 2018

## Homeostatic Model Assessment (HOMA)

Homeostatic model assessment (**HOMA**) is a method for assessing  $\beta$ -cell function and insulin resistance (**IR**) from basal (fasting) glucose and insulin or C-peptide concentrations.

HOMA index: (fasting glucose in mmol/L x fasting insulin in mU/L) / 22.5

	Total=60					
	Median (IQR)					
	Baseline	Week 4	Week 12	Week 24	Week 36	Week 48
mmol/L	<b>Arm 1:</b> Truvada® (200mg/245mg film coated tablets) one tablet once daily + Raltegravir 400mg (one tablet) twice daily <b>N=20</b>					
HOMA index	N=19 1.6(1.0 to 4.2) Range: 0.4 to 22.6	-	-	N=18 1.6(1.0 to 2.2) Range: 0.5 to 3.9	-	-
	<b>Arm 2:</b> Truvada® (200mg/245mg film coated tablets) one tablet once daily + Dolutegravir 50mg once daily <b>N=20</b>					
HOMA index	N=19 1.2(1.0 to 2.4) Range: 0.7 to 5.5	-	N=1 5.9	N=20 1.4(1.0 to 2.3) Range: 0.6 to 6.1	-	-
	<b>Arm 3:</b> Stribild®150mg/150mg/200mg/245mg tablet once daily <b>N=20</b>					
HOMA index	N=19 1.0(0.7 to 1.7) Range: 0.6 to 11.3	-	-	N=19 1.2(0.7 to 1.6) Range: 0.3 to 5.1	-	-