	Version 1	Version 2	Value
Offset vector	Expression of genes corresponding to highest 5% PA1673 - lowest 5% PA1673	Expression of genes corresponding to **partition of highest** 5% PA1673 - **partition of lowest** 5% PA1673	Offset is similar $(r^2 = 0.93)$
Scale factors (α,β)	(Baseline expression - intermediate expression) *since gene expression normalized assume denominator is 1*	(Baseline expression - **partition of intermediate expression**) *since gene expression normalized assume denominator is 1*	α, β values similar α = 0.294 vs 0.3 β = 0.544 vs 0.6
Baseline	Lowest 5-10% PA1673	Lowest 5% PA1673	Baseline for version 1 is more correlated with intermediate expression compared to baseline for version 2
VAE training	Everything except baseline and intermediate samples	Everything except **partitioned baseline and intermediate samples**	