

The initial probability values of the regulatory gene for each type of RBI

No	Type of RBI	The initial probability values of the i th gene
1	RBI-T1	$p_{TF_i} = f(TF_i) = 0.5$
2	RBI-T2	$p_{TF_i} = f(TF_i) = \frac{1}{d} \times n(RG_i = 1)$
3	RBI-T3	$p_{TF_i} = f(TF_i) = \frac{1}{2} \left(0.5 + \frac{1}{d} \times n(TF_i = 1) \right)$

Note: Additional information regarding those formulas was included in the RBI steps.