

ID	<i>RRl</i>	<i>RRp</i>	<i>RBl</i>	<i>RBp</i>	<i>ROl</i>	P_{init}
1	3	3	3	3	3	0.00
4	3	2	3	3	3	0.20
2	3	3	3	2	3	0.30
3	3	3	3	1	3	0.30
7	3	1	3	3	3	0.30

Table S1. **Adhesion Scenarios with Infrequent or No CNV Initiation.** Adhesion scenarios that result in CNV initiation with probability less than or equal to 0.3 ($P_{\text{init}} \leq 0.3$). CNV does not initiate when adhesion is normal. Moderate to severe impairment of either **RPE-RPE** or **RPE-BrM plastic coupling** alone, without impairment of the corresponding **labile adhesion** barely increases the probabilities of CNV initiation. Key: ID: adhesion scenario ID. *RRl*: **RPE-RPE labile adhesion** strength, *RRp*: **RPE-RPE plastic coupling** strength, *RBl*: **RPE-BrM labile adhesion** strength, *RBp*: **RPE-BrM plastic coupling** strength, *ROl*: **RPE-POS labile adhesion** strength. P_{init} : CNV initiation probability calculated from 10 simulation replicas for each adhesion scenario. Scaled adhesion strengths: 3: normal (green), 2: moderately impaired (yellow), 1: severely impaired (weak) (red).