

ID	<i>RRl</i>	<i>RRp</i>	<i>RBl</i>	<i>RBp</i>	<i>ROl</i>	P_{init}	T12 Probability
91	3	3	1	3	1	0.90	0.50
92	3	3	1	2	1	1.00	0.40
93	3	3	1	1	1	1.00	0.70
94	3	2	1	3	1	1.00	0.30
97	3	1	1	3	1	1.00	0.30

Table S6. **Adhesion Scenarios Prone to Sub-RPE to Sub-Retinal Translocation (T12 Translocation)**. T12 translocation occurs primarily when **RPE-RPE labile adhesion** is normal ($RRl = 3$), both **RPE-BrM** and **RPE-POS labile adhesion** are severely impaired ($RBl = 1$ and $ROl = 1$), and the combination of **RPE-BrM** and **RPE-POS plastic coupling** satisfies $RRp + RBp \geq 4$, except for the case of $RRp = RBp = 2$. 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. **T12** probability: Probability of occurrence of **T12 CNV**. Both the **T12** probability and P_{init} are calculated from 10 simulation replicas for each adhesion scenario. Scaled adhesion strengths: 3: normal (green), 2: moderately impaired (yellow), 1: severely impaired (weak) (red). Adhesion scenarios sequentially sorted largest to smallest in order by *RRl*, then by *RRp*, then by *RBl*, then by *RBp* and then by *ROl*.