**Table S1** – Cleft categorization during parametric search for mitosis rate and focal point plasticity value

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| --- | --- | --- | --- |
| Parameter – Mitosis rate (MR), Focal Point Plasticity (FPP ) | Number of Failed clefts | Number of Non-progressive clefts | Number of progressive clefts |
| MR- 0.5% | 0 | 30 | 66 |
| MR- Base (1%) | 0 | 24 | 66 |
| MR- 2% | 21 | 38 | 33 |
| MR - 3% | 77 | 16 | 3 |
| MR - 5% | 92 | 7 | 0 |
| FPP 0.5 | 65 | 35 | 0 |
| FPP 1 | 39 | 59 | 2 |
| FPP 5 | 1 | 52 | 47 |
| FPP Base (10) | 0 | 24 | 66 |
| FPP 15 | 3 | 28 | 51 |
| FPP 20 | 3 | 45 | 36 |
| FPP 30 | 21 | 43 | 30 |