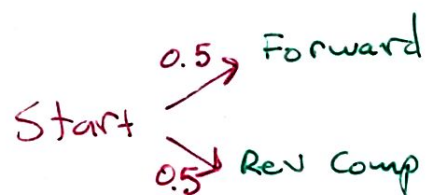
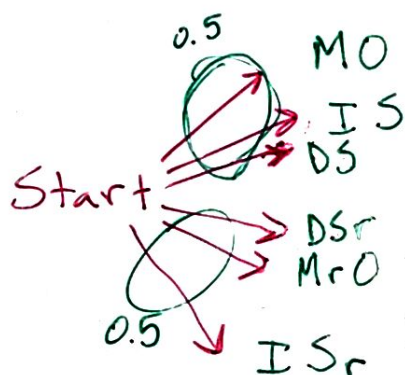


| | Junk + 5p barcode | RNA | adapter | 3p barcode | |
|----|-------------------|-----|-----------|------------|------|
| | M0 - M24 | R | M25 - M69 | M70 - M140 | |
| IS | I0 - I24 | IR | I25 - I69 | I70 - I140 | Junk |
| DS | D0 - D23 | DR | D25 - D69 | D70 - D139 | |

| | Junk + 3R | AR | RNA | 5R | |
|-----|-----------|----------|-----|-------------|------|
| | Mr0-70 | Mr71-115 | Rr | Mr116-Mr140 | |
| ISr | Ir0-70 | Ir71-115 | IRr | Ir116-Ir140 | Junk |
| DSr | Dr0-70 | Dr71-114 | DRr | Dr116-136 | |



Start \rightarrow DS : 5% of 0.5 = 0.025
 Start \rightarrow IS : 5% of 0.5 = 0.025
 Start \rightarrow MO : 90% of 0.5 = 0.45
 Start \rightarrow ISr : 5% of 0.5 = 0.025
 Start \rightarrow Mr0 : 90% of 0.5 = 0.45
 Start \rightarrow DSr : 5% of 0.5 = 0.025