Germline variant example

**Calculation of mosaic score:**

Number of cells carrying mutation \((N') = f \times N = 0.2 \times 5 = 1\)

So, we take the 1 row with maximum hits and count it

\[ n_m = \sum_{i=1}^{N} n_{r_i} = 0 \]

\[ n_m = \sum_{i=1}^{N} n_{r_i} = \sum_{i=2}^{N} n_{r_i} = \sum_{i=3}^{N} n_{r_i} = \sum_{i=4}^{N} n_{r_i} = \sum_{i=5}^{N} n_{r_i} = 1 \]

We take the maximum possible \(n_m\)

Mosaic score = \(n_m/n = \frac{1}{4} = 0.25\)

**Calculation of germline score:**

Number of cells not carrying germline variant \((N') = f \times N = 0.09 \times 11 = 1\)

So, we take the 1 column with maximum hits and count it

\[ n_g = \sum_{i=1}^{N} n_{c_i} = \sum_{i=2}^{N} n_{c_i} = \sum_{i=4}^{N} n_{c_i} = \sum_{i=5}^{N} n_{c_i} = 0 \]

\[ n_g = \sum_{i=3}^{N} n_{c_i} = 4 \]

We take the maximum possible \(n_g\)

Germline score = \(n_g/n = \frac{4}{4} = 1\)

Fig S3. Example of calculating mosaic and germline scores for a germline variant.