

| level | parameters | | | | |
|----------|--------------|-------------|------------|----------|----------|
| | permeability | degradation | conversion | X-target | A-target |
| standard | 0.1 | 1 | 4 | 1 | 1 |
| high | 0.4 | 4 | 8 | 4 | 4 |
| low | 0.05 | 0.5 | 2 | 0.25 | 0.25 |

Table 1: **Parameter values used in standard and changed environmental conditions.** The construction of the environmental change set is described in the Methods section.