

Table S1.1: Comparison between current and future distribution area of *S. dux* based on natural Jenks map classification.

| Suitability Class | Current and Future distribution area of <i>S. dux</i> (km ²) | | | | | |
|-------------------|--|-------------------------------|----------------|----------------------|-------------------------------|----------------|
| | Current distribution | Future distribution (RCP 2.6) | Change in Area | Current distribution | Future distribution (RCP 8.5) | Change in Area |
| Rare | 6676668.653 | 6823052.041 | -146,383.388 | 6676668.653 | 8559648.503 | -1,882,979.85 |
| Low | 8607603.534 | 9076342.411 | -468,738.877 | 8607603.534 | 11624954.73 | -3,017,351.196 |
| Medium | 12906129.19 | 13516721.94 | -610,592.75 | 12906129.19 | 15486361.82 | -2,580,232.63 |
| High | 13771771.49 | 13476296.17 | 295,475.32 | 13771771.49 | 13532464.35 | 239,307.14 |
| Very High | 7204117.25 | 6837461.163 | 366,656.087 | 7204117.25 | 6802618.088 | 401,499.162 |

Table S1.2: Comparison between current and future distribution area of *S. haemorrhoidalis* based on natural Jenks map classification.

| Suitability Class | Current and Future distribution area of <i>S. haemorrhoidalis</i> (km ²) | | | | | |
|-------------------|--|-------------------------------|----------------|----------------------|-------------------------------|----------------|
| | Current distribution | Future distribution (RCP 2.6) | Change in Area | Current distribution | Future distribution (RCP 8.5) | Change in Area |
| Rare | 8198600.328 | 8208601.828 | -10,001.5 | 8198600.328 | 8377141.951 | -178,541.623 |
| Low | 9058186.691 | 2506421.393 | 6,551,765.298 | 9058186.691 | 2362460.53 | 6,695,726.161 |
| Medium | 10228613.27 | 1818312.768 | 8,410,300.502 | 10228613.27 | 2221366.395 | 8,007,246.875 |
| High | 9829399.165 | 2292026.44 | 7,537,372.725 | 9829399.165 | 1754066.418 | 8,075,332.747 |
| Very High | 3430542.684 | 838580.8291 | 2,591,961.8549 | 3430542.684 | 948618.2596 | 2,481,924.4244 |