water

**Suplemantory Data**

**Table S1.** Number of different pharmaceutical contaminants detected in wastewater and water bodies of South Africa in different regions.

| Type of pharmaceuticals | Limpopo | North West | Free State | Mpumalanga | Northern Cape | Western Cape | Eastern Cape | KwaZulu Natal | Gauteng |
|---|---|---|---|---|---|---|---|---|---|
| Antibiotics | 0 | 4 | 0 | 0 | 0 | 1 | 7 | 13 | 23 |
| Antiretroviral Drug | 2 | 0 | 3 | 0 | 0 | 0 | 0 | 5 | 13 |
| anti-inflammatory | 0 | 3 | 0 | 0 | 0 | 0 | 0 | 10 | 12 |
| Anti-psychotic | 0 | 4 | 1 | 2 | 0 | 0 | 2 | 5 | 23 |
| Steroid hormones | 4 | 3 | 0 | 2 | 0 | 5 | 3 | 5 | 8 |
| illicit drugs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 27 |
| Beta-Blockers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2 |