Dragon Antimicrobial Peptide Database: A collection of manually curated antimicrobial peptides

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The interest in antimicrobial peptides (AMPs) is increasing due to an increased tolerance of pathogens to conventional antibiotics. We compiled Dragon Antimicrobial Peptide Database (DAMPD) (http://apps.sanbi.ac.za/dampd) that contains manually curated information on 3748 AMPs. An integrated online user interface allows for querying along six possibilities (Taxonomy, Species, AMP Family, Citation, Keyword search, and Advance Search). Tools such as Blast, ClustalW, Prediction of AMPs based on HMM profiles, Hydrocalculator, SignalP, and Graphical views are integrated into DAMPD to augment biological analysis of AMPs.