CLF pHMM (12 protein sequences) KS pHMM (12 protein sequences) HMMER3 pHMM scores HMMER3 pHMM scores 900 900 8 200 200 TypeII KS Type I PKS Type I PKS TypeII CLF FabH TypeII CLF FabF Aurachin FabF TypeII KS FabH Aurachin ACP pHMM (12 protein sequences) AT pHMM (7 protein sequences) 200 900 HMMER3 pHMM scores HMMER3 pHMM scores 8 400 100 200 20 8 TypeII ACP Ecoli ACP TypeI ACP TypeII AT TypeI AT FabD Aurachin KSIII pHMM (10 protein sequences) KR pHMM (16 protein sequences) 900 HMMER3 pHMM scores HMMER3 pHMM scores 300 400 200 100 TypeII CLF Typell KSIII TypeIII KS TypeII KS TypeII KR FabG Typel KS Typel KR Cyclase_ABD pHMM (3 protein sequences) Cyclase_SRPBCC pHMM (10 protein sequences) 300 900 HMMER3 pHMM scores HMMER3 pHMM scores 8 400 200 200 100 CyclaseSRPBCC CyclaseABD Cyclase_arylformamidase Cyclase_polyket_Tcml CvclaseSRPBCC Cyclase_arylformamidase Cyclase_polyket_Tcml CyclaseABD Cyclase pHMM (3 protein sequences) Cyclase_polyket pHMM (6 protein sequences) 9 300 **HMMER3** pHMM scores HMMER3 pHMM scores 200 400 100 200

CyclaseABD

Cyclase_arylformamidase

CvclaseSRPBCC

Cyclase_polyket_Tcml

CyclaseSRPBCC

CvclaseABD

Cyclase_polyket_Tcml Cyclase_arylformamidase