

Antibacterial – In house Assay

Strain & Date	Culture Volume & Fraction #	% Survival, single dose at 10 µg/mL			Other Assays	Status/Fate	Data
		EF	PA	EC			
D081 March 2012	Fraction Library F3	MIC F3: <2 F4: <2	NA	NA	OVCAR5: F2: 5% survival	<p>F3 (61.5 mg) and F4 (21.3 mg) EF active and primarily one UV peak observed. Isolate and dereplicate.</p> <p>NMR to compare F3 and F4: poor resolution, no conclusion Ideally separate F4 for more compounds, however insufficient weight F3 was chosen for separation.</p> <p>F3: Major component (based on weight and UV) separated from 18 mg Molecular weight of major component: 444 m/z Ran DEPTQ. No molecular weight matches to known compounds.</p> <p>Semiprep purification of compound. Status: samples drying</p>	HPLC LCMS HNMR DEPTQ

Project Name & Date	Background/Motivation/Goal	Status/Fate/Notebook page	Data
	<p>Why did we start this project? What are major questions (ie why look for UBQ inhibitors from cyanobacteria)? Give bioassay specifics (inhibition/promotion, dose if available)</p>		HPLC LCMS NMR

****Use a footer (will appear on each page) to indicate abbreviations – you are thinking long term here**

Legend: CC = co-culture; Con = control; MIC is given in µg/mL; FL = fraction library;
EF – *Enterococcus faecalis*; EC – *Escherichia coli*; PA – *Pseudomonas aeruginosa*

Grey shading indicates a dropped project.