**Feature Engineering Metrics Heatmap - Step 3** 0.020 0.035 0.072 Modele P\_Biofilm\_Height 0.024 0.010 0.015 - 0.07  $diff\_B\_Biofilm\_Roughness\_P\_Biofilm\_Height$ 0.004 0.007 0.007 - 0.06 0.005 B\_Biofilm\_Volume 0.007 0.009 - 0.05 0.005 0.003 0.006 B\_Biofilm\_Density 0.003 0.002 0.004  $prod\_B\_Biofilm\_Height\_B\_Biofilm\_SubstratumCoverage$ - 0.04 Feature 0.003 prod\_B\_Biofilm\_Height\_B\_Biofilm\_Volume 0.002 0.003 - 0.03 0.003 0.001 0.003  $B\_Biofilm\_SubstratumCoverage$ - 0.02 0.001 0.002 0.002 B\_Fake\_Score - 0.01 0.001 0.002 0.002  $diff\_B\_Biofilm\_Height\_B\_Biofilm\_Roughness$ 0.002 0.001 0.002 power\_B\_Biofilm\_Volume\_3 0.002  $prod\_B\_Biofilm\_SubstratumCoverage\_B\_Biofilm\_Volume$ 0.001 0.001 PFI CI95\_low CI95\_up