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