Supporting Information

Data-driven derivation of molecular substructures that enhance drug activity in Gram-negative bacteria

Dominik Gurvic[a], Andrew G. Leach[b, c], and Ulrich Zachariae[a,*]

[a] Computational Biology, School of Life Sciences, University of Dundee, Dow Street, Dundee, DD1 5EH, United Kingdom.
[b] Division of Pharmacy and Optometry, University of Manchester, Oxford Road, Manchester, M13 9PL, United Kingdom.
[c] Medchemica Limited, Mereside, Alderley Park, Macclesfield, SK10 4TG, United Kingdom.
 *Corresponding author u.zachariae@dundee.ac.uk

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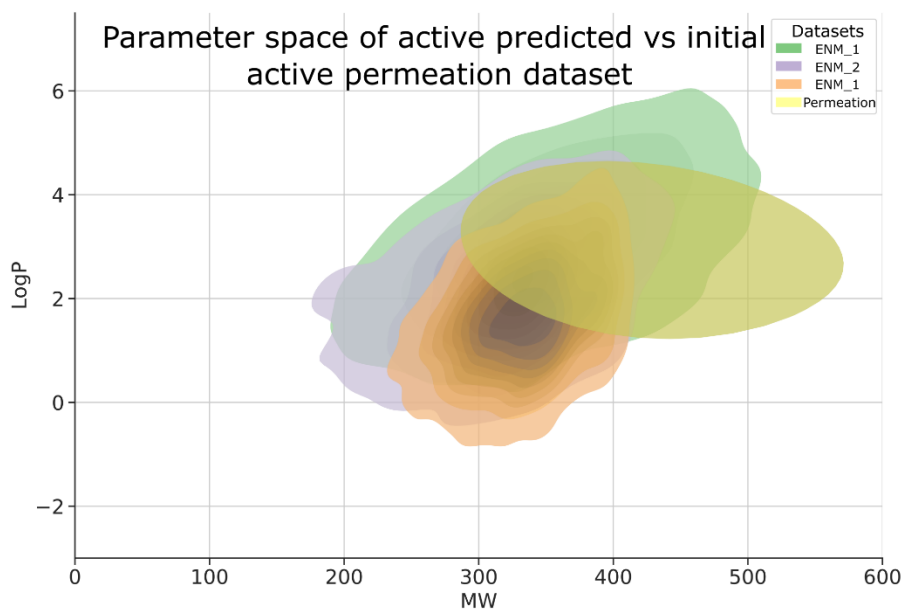# Synthetic Data Generation

Fig. S1: Chemical space, represented by LogP and MW parameters, for three datasets: ENM_1--ENM_3 used to predict permeation compared to the initial permeation dataset (GN-actives only).
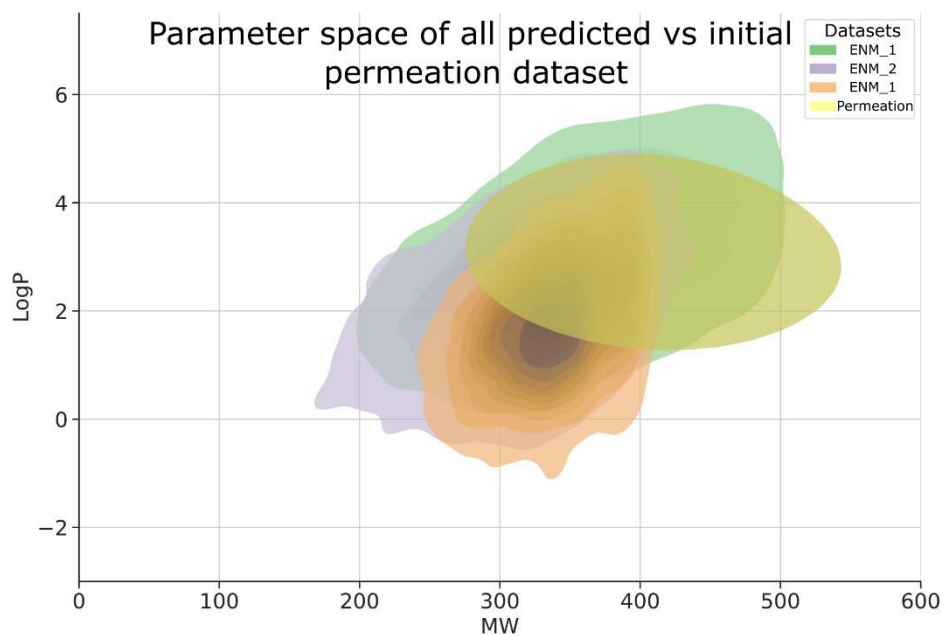

Fig. S2: Chemical space, represented by LogP and MW parameters, for three datasets: ENM_1--ENM_3 used to predict permeation compared to the initial permeation dataset (all data).

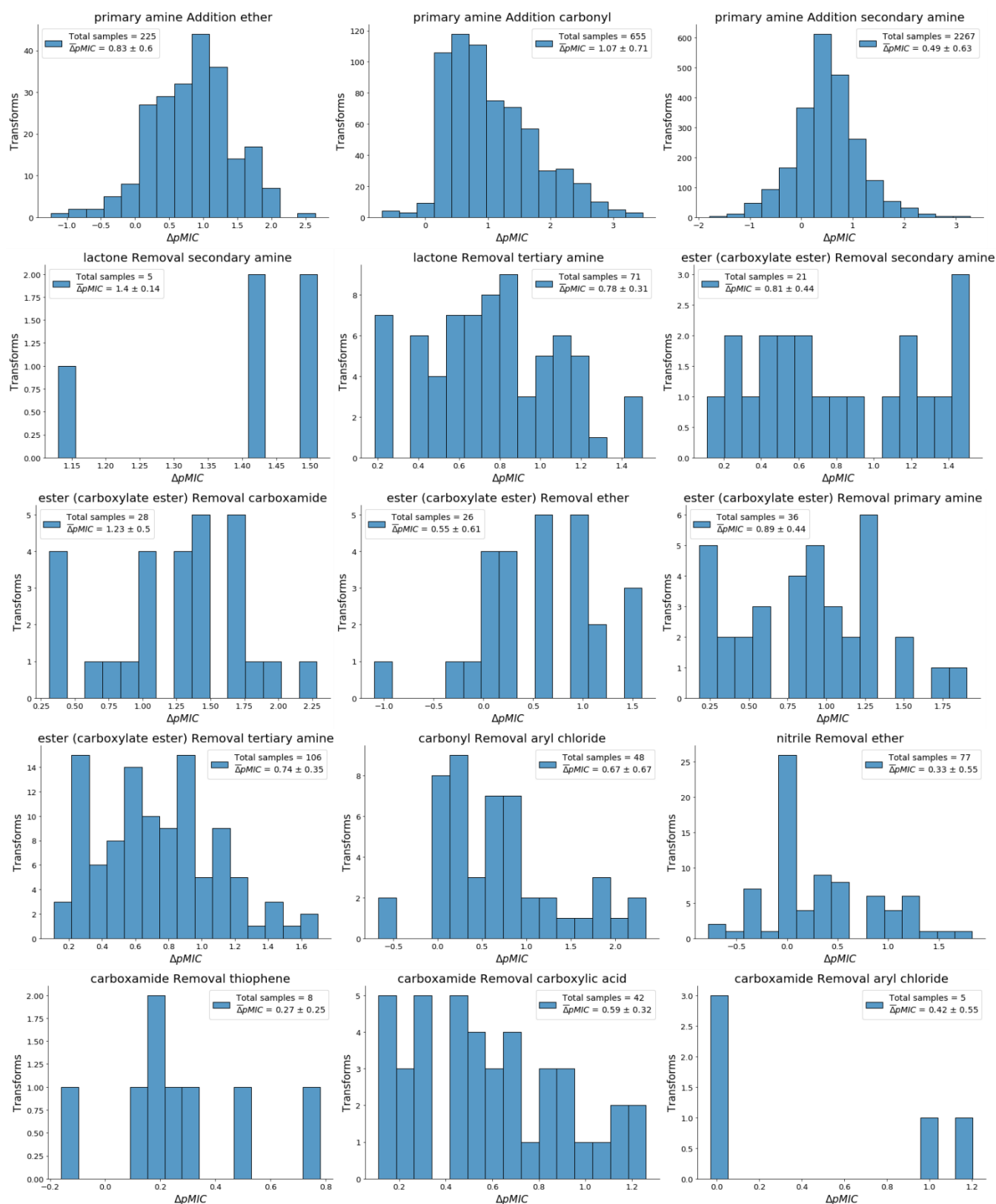# Distributions of pMIC caused by transforms from Tab. 5

Fig. S3: Distributions of change in pMIC caused by every transform from Tab. 5. Histogram titles correspond to first three columns of Tab. 5: 'Main Moiety', '±', 'Exchange Moiety' for every transform. (part 1)
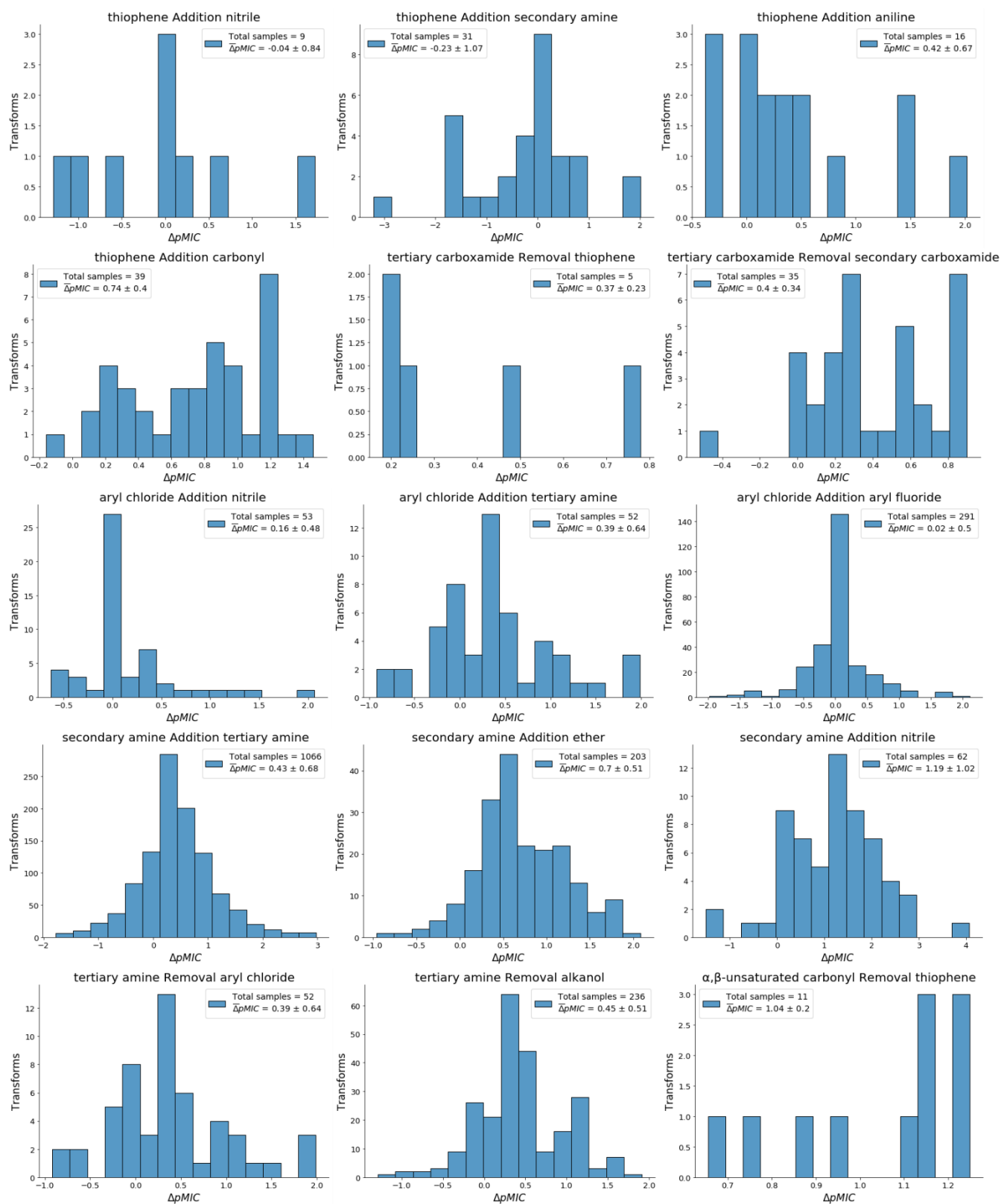
Fig. S3: Distributions of change in pMIC caused by every transform from Tab. 5. Histogram titles correspond to first three columns of Tab. 5 : 'Main Moiety', '±', 'Exchange Moiety' for every transform. (part 2)
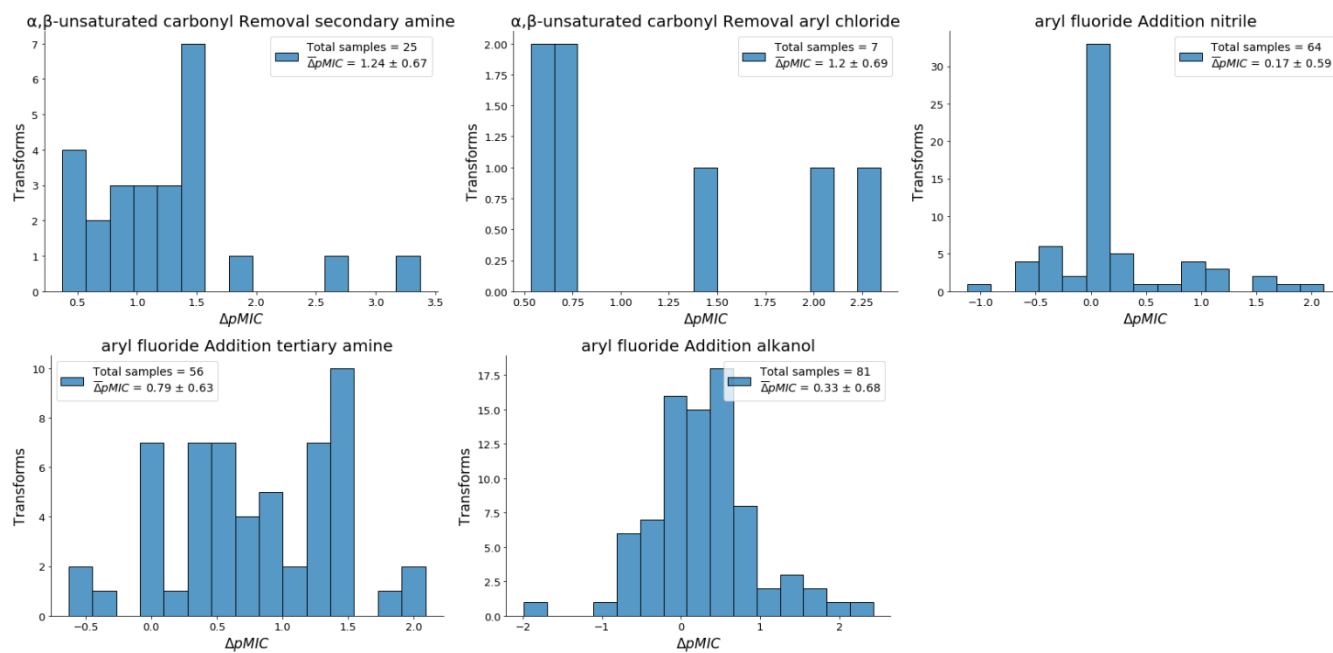
Fig. S3: Distributions of change in pMIC caused by every transform from Tab. 5. Histogram titles correspond to first three columns of Tab. 5 : 'Main Moiety', '±', 'Exchange Moiety' for every transform. (part 3)