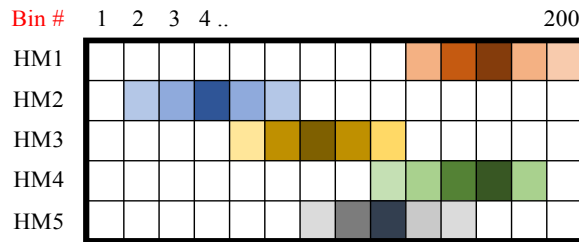
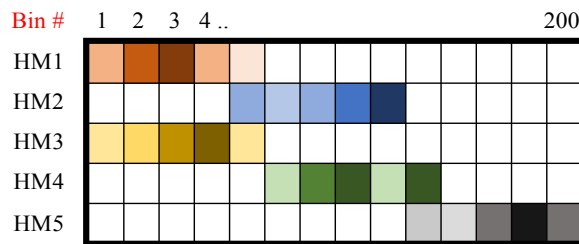


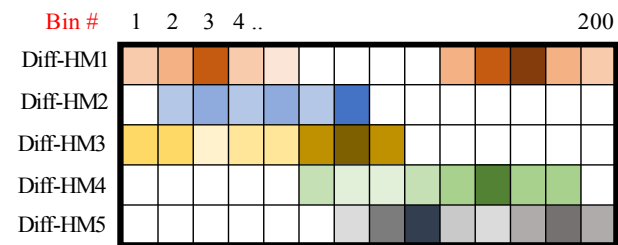
(a)



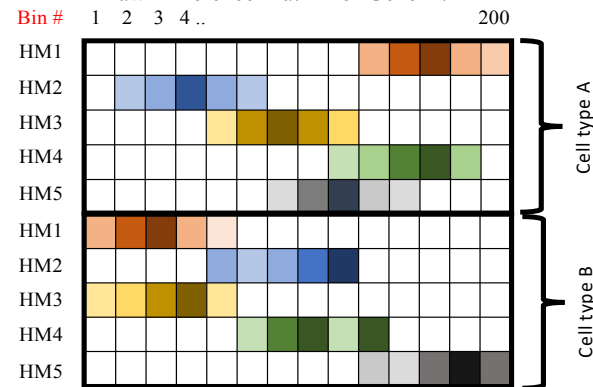
Raw Input Matrix for Gene X in Cell-type A: X^A



Raw Input Matrix for Gene X in Cell-type B: X^B



Raw Difference Matrix for Gene X: $X^A - X^B$



Raw Concat Matrix for Gene X: $[X^A, X^B]$

(b)