

Significance of pairwise overlap 8.0 NA NA NA NA Akkouh_all 0.6 0.4 0.2 NA NA NA BD_Lumped 0.82 NA NA BD_R NA BD_NR BD_R BD_NR Akkouh_all BD_Lumped

Significance of pairwise overlap NA NA NA NA NA NA Akkouh all 8.0 0.6 NA NA NA NA NA GSE66276 all 0.4 0.2 0.13 0.50 NA NA NA NA GSE132397 all 0 0.05 NA NA NA BD_Lumped 0.82 NA NA BD_R 0.83 NA **BD NR** BD_R BD_NR Akkouh_all GSE66276_all GSE132397_all BD_Lumped

Significance of pairwise overlap NA NA NA NA NA NA Akkouh in 8.0 0.6 NA NA NA NA 0.4 NA GSE66276 in 0.2 NA NA NA NA GSE132397_in 0 NA 0.30 0.62 NA NA BD_Lumped 0.75 NA 0.69 NA BD R 0.69 NA **BD NR** BD_R GSE132397_in BD_Lumped

Akkouh_in

GSE66276_in

 $\mathsf{BD}_{\mathsf{L}}\mathsf{NR}$