## Raw distance based on 80599 peaks, and Normalized UMAP distances from 27 parameter choices

**UMAP** parameters

Raw distances without UMAP	Distances between non-replicate clones			
	Mean dist between			
(	non-replicate clones			
	Distances between			
	<ul> <li>replicate clones</li> </ul>			
	Distance between			
	<ul> <li>5a/5b sister clones</li> </ul>			
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• •				
• •				
• 0000 • 1000 • 0 000 1000 0 0 0 0				
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(100 cm 0 cm (100 cm (				
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<b>□</b> (0.00000000000000000000000000000000000				
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@0@00@00@000@0000@0 0:000 ·				
(0.00 C) (0.00 (0.				
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Min dist.	# Nghbors	#PCs
0.5	10	20
0.25	10	20
0.1	10	20
0.5	5 5 5 3 3	20
0.25	5	20
0.1	5	20
0.5	3	20
0.25	3	20
0.1	3	20
0.5	10	10
0.25 0.1	10 10	10 10
0.1	5	-10
0.25	5	10
0.23	5	10
0.5	5 5 3 3 3	10
0.25	3	10
0.1	3	10
0.5	10	5
0.25	10	5
0.1	10	5
0.5	5	5
0.25	5	5
0.1	5	5
0.5	5 5 5 3 3	5 5 5 5 5 5 5 5 5
0.25	3	5
0.1	3	5