

**l\_gen = 64 (l\_c = 3)**

**weakly constrained genomes with L1 = 3**

L1	L2	uniform	non-uniform	non-uniform entropies	key
3	4	1,2,3,4	/	/	169384800558159399320625075554715654606
3	5	1,2,3,5	4	4: 3.4921875 (126/1) [possible via self-comp]	276091612394777917530823302191912105593
3	6	1,2,3,6	5,4	5: 3.484375 (124/2) [no self-comp possible] 4: 3.46875 (120/4)	40464560489022298393206527377503651184
3	7	1,2,3,7	6,5,4	6: 3.4921875 (126/1) [possible via self-comp] 5: 3.484375 (124/2) 4: 3.4765625 (122/3) [possible via self-comp]	94649722378280093806799091802495866975
3	8	1,2,3,8	7,6,5,4	7: 3.484375 (124/2) 6: 3.46875 (120/4) 5: 3.453125 (116/6) 4: 3.4375 (112/8)	337651571434194586548059913933999944209
3	9	1,2,3,9	8,7,6,5,4	8: 3.4921875 (126/1) 7: 3.484375 (124/2) 6: 3.4765625 (122/3) 5: 3.46875 (120/4) 4: 3.4609375 (118/5)	328264206072308042751150208211810175529
3	10	1,2,3,10	9,8,7,6,5,4	9: 3.484375 (124/2) 8: 3.46875 (120/4) 7: 3.453125 (116/6) 6: 3.4375 (112/8) 5: 3.421875 (108/10) 4: 3.40625 (104/12)	124143848433950872485448442023898511553

**weakly constrained genomes with L1 = 2**

L1	L2	uniform	non-uniform	non-uniform entropies	key
2	4	1,2,4	3	3: 2.96078477 (4 @ 1, 50 @ 2, 8 @ 3)	322569838245949152352316924356357072527
2	5	1,2,5	4,3	4: 3.4921875 (126/1) 3: 2.96078477 (4 @ 1, 50 @ 2, 8 @ 3)	198073869408506540196070483475029057707
2	6	1,2,6	5,4,3	5: 3.484375 (124/2) 4: 3.46875 (120/4)	211167939387074200365235831878860783127

L1	L2	uniform	non-uniform	non-uniform entropies	key
				3: 2.96078477 (4 @ 1, 50 @ 2, 8 @ 3)	
2	7	1,2,7	6,5,4,3	6: 3.4921875 (126/1) 5: 3.484375 (124/2) 4: 3.4765625 (122/3) 3: 2.96078477 (4 @ 1, 50 @ 2, 8 @ 3)	299211412657837097177934073866972564539
2	8	1,2,8	7,6,5,4,3	7: 3.484375 (124/2) 6: 3.46875 (120/4) 5: 3.453125 (116/6) 4: 3.4375 (112/8) 3: 2.96078477 (4 @ 1, 50 @ 2, 8 @ 3)	11938255271390100702345420683806609113
2	9	1,2,9	8,7,6,5,4,3	8: 3.4921875 (126/1) 7: 3.484375 (124/2) 6: 3.4765625 (122/3) 5: 3.46875 (120/4) 4: 3.4609375 (118/5) 3: 2.96078477 (4 @ 1, 50 @ 2, 8 @ 3)	143195357025653625380773262629068735422
2	10	1,2,3,10	9,8,7,6,5,4	9: 3.484375 (124/2) 8: 3.46875 (120/4) 7: 3.453125 (116/6) 6: 3.4375 (112/8) 5: 3.421875 (108/10) 4: 3.40625 (104/12) 3: 2.96078477 (4 @ 1, 50 @ 2, 8 @ 3)	112953858318706691281316883930081183990