The frequency of each *HLA-B* promoter and *HLA-B* coding haplotype that was observed in worldwide samples.

- For promoter sequences, please refer to the HLA-B promoter alignment.
- HLA-B alleles are provided as 4-field alleles. Grouped alleles differ in positions that we did not explored. Alleles indicated as undefined might represent new HLA-B 4-field alleles, because their sequences are different from any described allele. In those cases, we indicate the closest HLA-B allele followed by the number of mismatches.

		Frequency
Promoter	HLA-B 4-field alleles	(N = 5,347)
P01_01	B*35:01:01:05,B*35:01:01:06,B*35:01:01:16,B*35:01:01:19	0.03984
P01_01	B*53:01:01:01	0.03058
P01_01	B*58:01:01:01,B*58:01:01:03	0.02936
P01_01	B*35:03:01:01	0.01047
P01_01	B*35:02:01:02	0.00888
P01_01	B*35:03:01:03	0.00692
P01_01 P01_01	B*58:02:01:01	0.00645 0.00449
P01_01 P01_01	B*35:08:01:01 B*35:01:01:18	0.00449
P01_01 P01_01	undefined[B*35:01:01:07(1)]	0.00206
P01_01 P01_01	undefined[B*35:01:01:07(1)] undefined[B*35:01:01:07(1)]	0.00112
P01_01	undefined[B*53:01:01:01(1)]	0.00065
P01 01	undefined[B*35:01:01:07(1)]	0.00056
P01_01	undefined[B*53:01:01:01(1)]	0.00056
P01_01	undefined[B*58:01:01:01(1)]	0.00047
P01 01	B*35:03:01:08	0.00047
P01 01	undefined[B*53:01:01:02(1)]	0.00047
P01_01	undefined[B*35:03:01:02(1)]	0.00047
P01_01	undefined[B*58:01:01:01(1)]	0.00037
P01 01	undefined[B*53:01:01:01(1)]	0.00037
P01 01	undefined[B*35:08:01:04(1)]	0.00037
P01 01	B*35:05:01:01	0.00037
P01 01	undefined[B*35:02:01:03(1)]	0.00037
P01 01	undefined[B*53:01:01:02(1)]	0.00037
P01 01	undefined[B*35:03:01:02(1)]	0.00028
P01 01	undefined[B*35:08:01:04(1)]	0.00028
P01 01	undefined[B*35:03:01:02(1)]	0.00028
P01_01	undefined[B*58:01:01:06(1)]	0.00028
P01_01	undefined[B*35:02:01:03(1)]	0.00028
P01_01	undefined[B*35:01:01:07(1)]	0.00028
P01_01	undefined[B*35:03:01:02(1)]	0.00028
P01_01	B*35:01:01:61	0.00028
P01_01	undefined[B*58:01:01:06(1)]	0.00019
P01_01	B*35:01:01:53	0.00019
P01_01	B*35:41	0.00019
P01_01	undefined[B*35:01:01:07(1)]	0.00019
P01_01	undefined[B*35:03:01:02(1)]	0.00019
P01_01	undefined[B*58:01:01:01(1)]	0.00019
P01_01	undefined[B*35:01:01:07(1)]	0.00019
P01_01	undefined[B*53:01:01:02(1)]	0.00019
P01_01	undefined[B*35:03:01:02(1)]	0.00009
P01_01	undefined[B*35:01:01:07(1)]	0.00009
P01_01	undefined[B*35:02:01:03(1)]	0.00009
P01_01	undefined[B*53:01:01:02(1)]	0.00009
P01_01	undefined[B*53:01:01:01(1)]	0.00009
P01_01	B*35:08:01:05	0.00009
P01_01 P01_01	undefined[B*35:03:01:01(1)]	0.00009
	undefined[B*35:03:01:02(1)]	0.00009
P01_01 P01_01	undefined[B*35:03:01:02(1)] undefined[B*53:01:01:01(1)]	0.00009 0.00009
P01_01 P01_01	undefined[B*35:151:02(1)] undefined[B*35:151:02(1)]	0.00009
P01_01 P01_01	undefined[B*58:01:01:01(1)] undefined[B*58:01:01:01(1)]	0.00009
P01_01 P01_01	undefined[B*53:01:01:02(1)]	0.00009
P01_01	undefined[B*35:01:01:07(1)]	0.00009
P01_01 P01_01	undefined[B*58:01:01:06(1)]	0.00009
P01_01	undefined[B*35:02:01:01(10)]	0.00009
P01_01	undefined[B*58:01:01:06(1)]	0.00009
P01_01	undefined[B*53:01:01:01(1)]	0.00009
LOT OT		2.22003

DO4 04	- 1.5° - 10×20 of 04 02(4)	0.00000
P01_01	undefined[B*53:01:01:02(1)]	0.00009
P01_01 P01_01	undefined[B*53:01:01:02(1)] undefined[B*53:01:01:01(1)]	0.00009 0.00009
P01_01 P01_01	undefined[B*58:01:01:01(1)]	0.00009
P01_01 P01_01	undefined[B*58:01:01:01(1)] undefined[B*58:01:01:06(1)]	0.00009
P01_01 P01_01	undefined[B*35:01:01:06(1)]	0.00009
P01_01	undefined[B*35:01:01:07(1)]	0.00009
P01_01	undefined[B*53:01:02(1)]	0.00009
P01 01	undefined[B*58:01:01:06(1)]	0.00009
P01 01	undefined[B*07:02:01:02(100)]	0.00009
P01 01	undefined[B*53:01:02:0102[100]]	0.00009
P01 01	undefined[B*35:01:01:07(1)]	0.00009
P01 01	undefined[B*35:01:01:07(1)]	0.00009
P01 01	undefined[B*53:01:01:02(1)]	0.00009
P01 01	undefined[B*07:114(100)]	0.00009
P01_01	undefined[B*07:02:01:72(100)]	0.00009
P01 01	undefined[B*35:01:01:05(1)]	0.00009
P01 01	undefined[B*35:01:01:05(1)]	0.00009
P01_01	undefined[B*51:04:01(10)]	0.00009
P01 01	undefined[B*35:01:01:05(1)]	0.00009
P01 01	undefined[B*35:03:01:02(1)]	0.00009
P01_01	undefined[B*35:05:01:04(10)]	0.00009
P01_01 P01_01	undefined[B*35:03:01:04(10)]	0.00009
P01_01 P01_01	undefined[B*35:03:01:02(1)] undefined[B*35:08:01:04(1)]	0.00009
P01_01 P01_01	B*35:03:01:14	0.00009
P01_01 P01_01	undefined[B*35:01:01:07(1)]	0.00009
P01_01	undefined[B*35:01:01:07(1)]	0.00009
P01_01 P01_01	undefined[B*35:02:01:02(1)] undefined[B*35:01:01:05(1)]	0.00009
P01_01 P01_01	undefined[B*35:01:01:03(1)]	0.00009
P01_01 P01_01	undefined[B*53:01:01:02(1)]	0.00009
P01_01 P01_01	undefined[B*35:01:01:02(1)] undefined[B*35:01:01:03(1)]	0.00009
P01_01 P01_01	undefined[B*58:02:01:03(1)]	
P01_01 P01_01	undefined[B*35:01:01:07(1)]	0.00009 0.00009
P01_01 P01_01	undefined[B*35:01:01:07(1)]	0.00009
P01_01	undefined[B*35:01:01:07(1)] undefined[B*35:05:01:04(10)]	0.00009
P01_01 P01_01	undefined[B*53:01:04(10)] undefined[B*53:01:01(1)]	0.00009
P01_01 P01_01		
P01_01 P01_01	undefined[B*35:01:07(1)] B*58:01:35	0.00009 0.00009
P01_01 P01_01	undefined[B*58:01:01:06(1)]	0.00009
P01_01 P01_01	undefined[B*53:01:01:06(1)]	0.00009
P01_01 P01_01	undefined[B*35:01:01:02(1)]	0.00009
P01_01	undefined[B*53:01:01:07(1)]	0.00009
P01_01 P01_01	undefined[B*58:01:01:02(1)]	0.00009
P01_01 P01_01	undefined[B*53:01:01:01(1)] undefined[B*53:01:01:02(1)]	0.00009
P01_01	undefined[B*35:01:01:02(1)] undefined[B*35:02:01:03(10)]	0.00009
P01_01 P01_01	undefined[B*58:02:01:03(10)]	0.00009
P01_01 P01_01	undefined[B*53:01:01:02(1)] undefined[B*53:01:01:02(1)]	0.00009
P01_01 P01_01	undefined[B*07:129(100)]	0.00009
P01_01 P01_01	undefined[B*53:01:01:02(1)]	0.00009
P01_01 P01_01	undefined[B*35:01:01:03(1)] undefined[B*58:02:01:02(1)]	0.00009 0.00009
P01_01 P01_01	undefined[B*07:114(100)]	0.00009
P01_01 P01_01	undefined[B*35:08:01:01(1)] undefined[B*35:01:01:07(1)]	0.00009 0.00009
P01_01 P01_01	undefined[B*35:01:01:07(1)] undefined[B*35:03:01:01(10)]	0.00009
P01_01 P01_01	undefined[B*35:03:01:01(10)] undefined[B*35:02:01:03(1)]	0.00009
P01_01 P01_01	undefined[B*35:02:01:03(1)] undefined[B*07:304(100)]	0.00009
P01_01 P01_01	undefined[B*07:304(100)] undefined[B*35:05:01:04(1)]	0.00009
P01_01 P01_01	undefined[B*35:05:01:04(1)] undefined[B*35:01:07(1)]	0.00009
F01_01	Underined[B*35:01:01:07(1)] B*51:01:01:01,B*51:01:01:04,B*51:01:01:05,B*51:01:01:06,B*51:01:01:09,B*51:01:01:10,B*51:01:01:11,B*51:01:01:13,B*51:01:0	0.00009
P01_02	1:34,B*51:01:01:84	0.04507
P01_02 P01_02	B*52:01:01:02	0.04507
P01_02 P01_02	B*52:01:01:01	0.01468
P01_02 P01_02	B*52:01:02:01 B*52:01:02:01,B*52:01:02:02,B*52:01:02:03	0.00655
P01_02 P01_02	B*78:01:01:02	0.00817
P01_02 P01_02	B*51:01:01:03,B*51:01:01:12	0.00282
P01_02 P01_02	B*51:01:01:03,B*51:01:01:12	0.00234
P01_02 P01_02	undefined[B*51:01:01:01(1)]	0.00206
P01_02 P01_02	B*51:02:01:01,B*51:02:01:02	0.00159
P01_02 P01_02		
	B*51:01:01:07,B*51:01:01:08,B*51:01:01:33	0.00131
P01_02 P01_02	B*51:08:01:01	0.00065
	undefined[B*51:01:01:02(1)]	0.00056
P01_02 P01_02	B*51:193:01 undefined[B*51:01:01:02(1)]	0.00047
I PUI UZ		0.00037
P01 02	B*51:07:01	0.00037

FOUR Comment Comment	204 00	LO MARTE OF OF ONLY	0.00007
10.0	P01_02	undefined[B*51:01:01:01(1)]	0.00037
Total Comparison Comparis		• • • • • • • • • • • • • • • • • • • •	
FOLIC Undefined FS 2 0 0 20 0 20 FOLIC Undefined FS 2 0 0 20 0 20 FOLIC Undefined FS 2 1 0 0 20 0 20 FOLIC Undefined FS 2 1 0 0 20 0 20 FOLIC Undefined FS 2 1 0 0 20 0 20 FOLIC Undefined FS 2 0 0 20 0 20 FOLIC Un		• • • • • • • • • • • • • • • • • • • •	
FOU. DEC. Indefined FS. 10.10.10.01.11 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.000000 0.000000 0.00000 0.00000 0.00000 0.00		, , , ,	
FOLICAL Underhead PS 10.01.02(11) 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.0000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.000000 0.000000 0.00		C (72	
FOI_QD_ Conference Text D. Control D. Control D. Control D. Control D. Control D. Control D. D. D. D. D. D. D. D			
Fig. 12			
FOL, Q2			
FOIL DISTRICT PRODUCT PRODUCT		, , , ,	
FOIL 20			
FOOL 20			
Fig. 12			
FOLIC Undefined(#55:00:10.92(1))			
FOIL 02			0.00019
			0.00009
FOI, 02		• • • • • • • • • • • • • • • • • • • •	0.00009
		, , , ,	0.00009
POI, 102			0.00009
POLI 02		C 1/2	0.00009
POI, 02			0.00009
POLI_02			0.00009
F01.02			0.00009
F01.02 undefined[8*51.01.01.02(1) 0.00000 0.0000 0.0000 0.0000 0.0000 0.0000 0.0000 0.00000 0.0000 0.00000 0.00000 0.00000 0.00000 0.00000 0.00000 0.0000000 0.000000 0.000000 0.00000000			0.00009
POLI_02		, , , , , , , , , , , , , , , , , , ,	0.00009
POL 02			0.00009
P01 02			0.00009
POI. 02			0.00009
POI. 02			0.00009
POI 02	P01_02	undefined[B*51:08:01:02(1)]	0.00009
POI_02	P01_02	undefined[B*51:259(1)]	0.00009
P01_02	P01_02	undefined[B*51:01:01:02(1)]	0.00009
POI 02	P01_02	B*51:19	0.00009
POI 02	P01_02	undefined[B*07:50(100)]	0.00009
POI 02	P01_02	undefined[B*52:01:01:02(1)]	0.00009
POI 22	P01_02	undefined[B*52:01:01:05(1)]	0.00009
POI 02	P01_02	undefined[B*51:01:01:02(1)]	0.00009
POI 02			0.00009
P01_02		• • • • • • • • • • • • • • • • • • • •	0.00009
POT_02 undefined[B*51:01:01:02(1)]			0.00009
P01_02			0.00009
P01_02			0.00009
P01_02 undefined[8*51:01:01:01(1)] 0.0000 P01_02 undefined[8*51:01:01:01(1)] 0.0000 P01_02 undefined[8*51:01:05(1)] 0.0000 P01_02 undefined[8*51:01:01(1)] 0.0000 P01_02 undefined[8*51:01:01(1)] 0.0000 P01_02 undefined[8*51:01:00(2(1)] 0.0000 P01_02 undefined[8*51:01:00(2(1)] 0.0000 P01_02 undefined[8*51:01:01(0(1)] 0.0000 P01_02 undefined[8*51:01:00(1)] 0.0000 P01_02 undefined[8*51:01:00(1)] 0.0000 P01_02 undefined[8*51:01:00(1)] 0.0000 P01_02 undefined[8*51:01:00(1)] 0.0000 P01_02 B*51:01:01 0.0000 P01_02 undefined[8*51:00:03(1)]			0.00009
P01_02			0.00009
PO1_02		, , , , , , , , , , , , , , , , , , ,	0.00009
P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*51:02:01:03(1)] 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*51:01:01:05,8*35:01:01:06,8*35:01:01:19 0.0000 P01_02 undefined[8*51:01:00:02(1)] 0.0000 P01_02 undefined[8*52:01:01:05(1)] 0.0000 P01_02 undefined[8*52:01:01:01(1)] 0.0000 P01_02 undefined[8*52:01:01:01(1)] 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*53:21(10)] 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*51:00:01:03(1)] 0.0000 P01_02 undefined[8*51:00:01:04(1)] 0.0000 P01_02 undefined[8*51:00:01:05(1)] 0.0000 P01_02 undefined[8*51:00:01:02(1)] 0.0000			0.00009
P01_02 undefined[B*51:02:01:03(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 B*52:79 0.0000 P01_02 undefined[B*51:01:00:02(1)] 0.0000 P01_02 undefined[B*51:01:00:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*52:01:01:05(1)] 0.0000 P01_02 undefined[B*52:01:01:01(1)] 0.0000 P01_02 undefined[B*52:01:01:01(1)] 0.0000 P01_02 undefined[B*52:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:03(1)] 0.0000 P01_02 undefined[B*51:01:01:03(1)] 0.0000 P01_02 undefined[B*51:01:01:03(1)] 0.0000 P01_02 undefined[B*51:01:01:05(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 und			
P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 B*52:79 0.0000 P01_02 B*35:01:01:05,8*35:01:01:06,8*35:01:01:16,8*35:01:01:19 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*52:01:01:05(1)] 0.0000 P01_02 undefined[8*52:01:01:05(1)] 0.0000 P01_02 undefined[8*5:01:01:02(1)] 0.0000 P01_02 undefined[8*5:01:01:02(1)] 0.0000 P01_02 undefined[8*35:21(10)] 0.0000 P01_02 undefined[8*7:01:03(1)] 0.0000 P01_02 undefined[8*5:01:01:03(1)] 0.0000 P01_02 undefined[8*5:01:01:03(1)] 0.0000 P01_02 undefined[8*5:00:01:03(1)] 0.0000 P01_02 undefined[8*5:00:01:03(1)] 0.0000 P01_02 undefined[8*5:00:01:03(1)] 0.0000 P01_02 undefined[8*5:00:01:02(1)] 0.0000 P01_02 undefined[8*5:01:01:02(1)] 0.0000 P01_02			
P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 8*52:79 0.0000 P01_02 8*35:01:01:05,8*35:01:01:06,8*35:01:01:19 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*5:01:01:05(1)] 0.0000 P01_02 undefined[8*5:01:01:01(1)] 0.0000 P01_02 undefined[8*5:01:01:02(1)] 0.0000 P01_02 undefined[8*5:01:01:02(1)] 0.0000 P01_02 undefined[8*78:01:01:03(1)] 0.0000 P01_02 undefined[8*78:01:01:03(1)] 0.0000 P01_02 B*51:01:01:21 0.0000 P01_02 undefined[8*51:02:02(10)] 0.0000 P01_02 undefined[8*51:00:05(1)] 0.0000 P01_02 undefined[8*51:06:01:03(1)] 0.0000 P01_02 undefined[8*51:00:00(1)] 0.0000 P01_02 undefined[8*51:01:00(2(1)] 0.0000 P01_02 undefined[8*51:01:00(2(1)] 0.0000 P01_02 undefined[8*51:01	_	, , , ,	
P01_02 undefined[8*51:01:01:02[1]] 0.0000 P01_02 B*52:79 0.0000 P01_02 B*35:01:01:05,8*35:01:01:06,8*35:01:01:16,8*35:01:01:19 0.0000 P01_02 undefined[8*51:01:01:02[1]] 0.0000 P01_02 undefined[8*52:01:01:05[1]] 0.0000 P01_02 undefined[8*52:01:01:01[1]] 0.0000 P01_02 undefined[8*51:01:01:02[1]] 0.0000 P01_02 undefined[8*78:01:01:03[1]] 0.0000 P01_02 undefined[8*78:01:01:03[1]] 0.0000 P01_02 B*51:01:01:21 0.0000 P01_02 B*51:01:01:21 0.0000 P01_02 undefined[8*51:00:05[1]] 0.0000 P01_02 undefined[8*51:00:05[1]] 0.0000 P01_02 undefined[8*51:00:05[1]] 0.0000 P01_02 undefined[8*51:00:01:05[1]] 0.0000 P01_02 undefined[8*51:00:01:02[1]] 0.0000 P01_02 undefined[8*51:00:01:02[1]] 0.0000 P01_02 undefined[8*51:00:01:02[1]] 0.0000 P01_02 undefined[8*		• • • • • • • • • • • • • • • • • • • •	0.00009
P01_02 B*52:79 0.0000 P01_02 B*35:01:01:05,B*35:01:01:06,B*35:01:01:19 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*52:01:01:05(1)] 0.0000 P01_02 undefined[B*52:01:01:01(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*35:21(10)] 0.0000 P01_02 undefined[B*78:01:01:03(1)] 0.0000 P01_02 undefined[B*78:01:01:03(1)] 0.0000 P01_02 B*51:01:71 0.0000 P01_02 B*51:01:01:21 0.0000 P01_02 undefined[B*51:02:02(10)] 0.0000 P01_02 undefined[B*51:00:01:05[1)] 0.0000 P01_02 undefined[B*51:00:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02			
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P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*52:01:01:05(1)] 0.0000 P01_02 undefined[B*52:01:01:01(1)] 0.0000 P01_02 undefined[B*51:01:02(1)] 0.0000 P01_02 undefined[B*78:01:01:03(1)] 0.0000 P01_02 undefined[B*78:01:01:03(1)] 0.0000 P01_02 B*51:01:71 0.0000 P01_02 B*51:01:01:21 0.0000 P01_02 undefined[B*51:02:02(10)] 0.0000 P01_02 undefined[B*51:00:01:05(1)] 0.0000 P01_02 undefined[B*51:06:01:03(1)] 0.0000 P01_02 undefined[B*51:00:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:01(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:			
P01_02 undefined[8*52:01:01:01(1)] 0.0000 P01_02 undefined[8*52:01:01:01(1)] 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000 P01_02 undefined[8*35:21(10)] 0.0000 P01_02 undefined[8*78:01:01:03(1)] 0.0000 P01_02 8*51:01:01 0.0000 P01_02 8*51:01:01:21 0.0000 P01_02 undefined[8*51:02:02(10)] 0.0000 P01_02 undefined[8*51:00:01:05(1)] 0.0000 P01_02 undefined[8*51:06:01:03(1)] 0.0000 P01_02 B*51:09:01 0.0000 P01_02 undefined[8*51:01:01:02(1)] 0.0000			
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P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*35:21(10)] 0.0000 P01_02 undefined[B*78:01:01:03(1)] 0.0000 P01_02 B*51:01:71 0.0000 P01_02 B*51:01:01:21 0.0000 P01_02 undefined[B*51:02:02(10)] 0.0000 P01_02 undefined[B*52:01:01:05(1)] 0.0000 P01_02 undefined[B*51:06:01:03(1)] 0.0000 P01_02 B*51:09:01 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000			
P01_02 undefined[B*35:21(10)] 0.0000 P01_02 undefined[B*78:01:01:03(1)] 0.0000 P01_02 B*51:01:71 0.0000 P01_02 B*51:01:01:21 0.0000 P01_02 undefined[B*51:02:02(10)] 0.0000 P01_02 undefined[B*52:01:01:05(1)] 0.0000 P01_02 undefined[B*51:06:01:03(1)] 0.0000 P01_02 B*51:09:01 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000		, , , ,	
P01_02 undefined[B*78:01:01:03(1)] 0.0000 P01_02 B*51:01:71 0.0000 P01_02 B*51:01:01:21 0.0000 P01_02 undefined[B*51:02:02(10)] 0.0000 P01_02 undefined[B*52:01:01:05(1)] 0.0000 P01_02 undefined[B*51:06:01:03(1)] 0.0000 P01_02 B*51:09:01 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000			0.00009
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P01_02 B*51:01:01:21 0.0000 P01_02 undefined[B*51:02:02(10)] 0.0000 P01_02 undefined[B*52:01:03(1)] 0.0000 P01_02 undefined[B*51:06:01:03(1)] 0.0000 P01_02 B*51:09:01 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:01(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000			0.00009
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P01_02 undefined[B*52:01:01:05(1)] 0.0000 P01_02 undefined[B*51:06:01:03(1)] 0.0000 P01_02 B*51:09:01 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:01(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000			0.00009
P01_02 undefined[B*51:06:01:03(1)] 0.0000 P01_02 B*51:09:01 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:01(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000		• • • •	0.00009
P01_02 B*51:09:01 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:01(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000	_		0.00009
P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:01(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000	_	, , , ,	0.00009
P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:01(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000			0.00009
P01_02 undefined[B*51:01:01:01(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000			0.00009
P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000		· · · · · · · · · · · · · · · · · · ·	0.00009
P01_02 undefined[B*52:01:02:04(1)] 0.0000 P01_02 undefined[B*51:01:01:02(1)] 0.0000	P01_02	undefined[B*51:01:01:02(1)]	0.00009
P01_02 undefined[B*51:01:01:02(1)] 0.0000		undefined[B*52:01:02:04(1)]	0.00009
D01_02	P01_02		0.00009
For or and entired (B. 21:01:01:01) 0.0000	P01_02	undefined[B*51:01:01:01(1)]	0.00009
P01_03 B*53:01:01:01 0.0040	P01_03	B*53:01:01	0.00402

DO1 03	wed-fine-dip#73.04.04.04(4)]	0.00000
P01_03 P01_03	undefined[B*53:01:01:01(1)] undefined[B*53:01:01:02(1)]	0.00009
P01_03	undefined[B*53:01:01:02(1)]	0.00009
P01 04	B*35:01:01:05,B*35:01:01:06,B*35:01:01:19	0.00075
P01_04	undefined[B*35:01:01:01(1)]	0.00009
P01_04	undefined[B*35:01:01:07(1)]	0.00009
P01_05	B*52:01:01:18	0.00037
P01_05	undefined[B*52:01:01:07(1)]	0.00009
P01_06	B*51:32	0.00019
P01_07	B*51:01:01:36	0.00019
P01_08	B*51:01:01:59	0.00009
P01_08 P01_09	B*51:01:01:59 B*35:01:01:05,B*35:01:01:06,B*35:01:01:16,B*35:01:01:19	0.00009 0.00019
P01_09	undefined[B*35:03:01:01(1)]	0.00019
P01_10	B*35:01:01:02,B*35:01:01:49	0.00019
P01 11	B*35:01:01:05,B*35:01:01:06,B*35:01:01:16,B*35:01:01:19	0.00393
P01 11	B*35:05:01:02	0.00318
P01_11	B*35:43:01	0.00215
P01_11	B*35:12:01:01	0.00131
P01_11	B*35:17:01:01	0.00094
P01_11	B*35:04:01:01	0.00075
P01_11	undefined[B*35:10(1)]	0.00075
P01_11	B*35:01:01:51	0.00056
P01_11	B*35:20:01	0.00047
P01_11 P01_11	B*35:14:01 B*35:06	0.00047 0.00037
P01_11 P01_11	B*35:22:01:02	0.00037
P01_11 P01_11	B*35:09:01:01	0.00028
P01_11	B*35:11:01	0.00019
P01_11	undefined[B*35:01:01:07(1)]	0.00019
P01_11	B*35:05:01:03	0.00019
P01_11	B*35:01:01:60	0.00009
P01_11	B*35:12:03	0.00009
P01_11	undefined[B*35:04:01:02(1)]	0.00009
P01_11	undefined[B*35:04:01:02(1)]	0.00009
P01_11	undefined[B*35:01:01:07(1)]	0.00009
P01_11	undefined[B*35:01:01:05(1)]	0.00009
P01_11 P01_11	undefined[B*35:01:01:02(1)] undefined[B*35:01:01:07(1)]	0.00009
P01_11 P01 11	undefined[B*35:01:01:07(1)]	0.00009
P01_11	undefined[B*35:135(1)]	0.00009
P01 11	undefined[B*35:01:01:51(10)]	0.00009
P01 11	undefined[B*35:05:01:02(1)]	0.00009
P01_11	undefined[B*35:459N(1)]	0.00009
P01_11	undefined[B*35:04:01:02(1)]	0.00009
P01_11	undefined[B*35:14:03(1)]	0.00009
P01_11	undefined[B*35:17:01:02(1)]	0.00009
P01_11	undefined[B*35:11:01(1)]	0.00009
P01_11	undefined[B*35:11:01(1)]	0.00009
P01_11 P01_11	undefined[B*35:01:01:07(1)] undefined[B*35:459N(1)]	0.00009 0.00009
P01_11 P01 11	undefined[B*35:04:01:01(1)]	0.00009
P01_11 P01 11	undefined[B*35:01:01:51(10)]	0.00009
P01_11 P01 12	B*52:01:01:01	0.00009
	B*51:01:01:01,B*51:01:01:04,B*51:01:01:05,B*51:01:01:06,B*51:01:01:09,B*51:01:01:10,B*51:01:01:11,B*51:01:01:13,B*51:01:0	
P01_12	1:34,B*51:01:01:84	0.00009
P01_12	undefined[B*51:01:01:01(1)]	0.00009
	B*51:01:01:01,B*51:01:01:04,B*51:01:01:05,B*51:01:01:06,B*51:01:01:09,B*51:01:01:10,B*51:01:01:11,B*51:01:01:13,B*51:01:01	
P01_13	1:34,B*51:01:01:84	0.00019
P01_13	B*52:01:01:02	0.00009
P01_14	B*58:01:01:01,B*58:01:01:03	0.00009
P01_14 P01_14	B*35:03:01:03 B*35:01:01:05,B*35:01:01:06,B*35:01:01:16,B*35:01:01:19	0.00009
P01_14 P01_15	B*51:01:01:05,B*35:01:01:06,B*35:01:01:16,B*35:01:01:19 B*51:01:01:03,B*51:01:01:12	0.00009
P01_15	undefined[B*51:01:01:02(1)]	0.00009
P01_17	B*35:03:01:01	0.00009
P01_18	B*35:01:01:05,B*35:01:01:06,B*35:01:01:19	0.00009
P01_19	B*35:03:01:01	0.00009
P01_20	undefined[B*53:01:01:01(1)]	0.00009
P01_21	undefined[B*51:01:01:01(1)]	0.00009
P01_22	B*35:03:01:08	0.00009
P01_23	B*51:02:01:01,B*51:02:01:02	0.00009
P01_24	B*35:08:01:01	0.00009
P01_25 P01_26	B*35:08:01:01 B*58:01:01:10	0.00009 0.00019
L01_7p	D 30.V1.V1.1V	0.00019

P01 27	undefined[B*58:01:01:01(1)]	0.00019
P01_28	B*52:01:02:02	0.00019
P01_29	undefined[B*35:01:01:07(1)]	0.00009
P01_30	B*35:03:01:01	0.00009
P01_31	B*53:01:01:01	0.00009
P01_32	B*53:01:01:01	0.00009
P01_33	B*35:01:01:05,B*35:01:01:06,B*35:01:01:16,B*35:01:01:19	0.00009
	B*51:01:01:01,B*51:01:01:04,B*51:01:01:05,B*51:01:01:06,B*51:01:01:09,B*51:01:01:10,B*51:01:01:11,B*51:01:01:13,B*51:01:01:01	
P01_34	1:34,B*51:01:01:84	0.00009
P01_35	B*51:01:02:01	0.00009
P01_36	B*35:03:01:01	0.00009
P01_37	B*35:01:01:02,B*35:01:01:49	0.00009
P01_37	B*35:05:01:02	0.00009
P01_38	undefined[B*35:11:01(1)]	0.00009
P01_39	B*58:01:01:01,B*58:01:01:03	0.00009
P01_39 P01_40	B*53:01:01:01	0.00009
P01_40 P01_41	B*35:01:01:05,B*35:01:01:06,B*35:01:01:16,B*35:01:01:19 B*35:01:01:05,B*35:01:01:06,B*35:01:01:16,B*35:01:01:19	0.00019
P01_41 P01_42	B*58:02:01:01	0.00009
P01_42 P01_42	B*35:01:01:05,B*35:01:01:06,B*35:01:01:16,B*35:01:01:19	0.00009
P01_42	B*58:01:01:01,B*58:01:01:03	0.00009
P01_43	undefined[B*51:01:01:100(1)]	0.00009
P01_44	undefined[B*15:01:01:00(1)]	0.00009
P01_46	undefined[B*15:01:01:02N(100)]	0.00009
P01_46	undefined[B*15:01:01:03(100)]	0.00009
P01_47	undefined[B*51:01:01:64(10)]	0.00009
P01_48	undefined[B*13:140(100)]	0.00009
P01_49	undefined[B*07:114(100)]	0.00009
P01_50	undefined[B*51:01:01:02(1)]	0.00009
P01_50	B*51:06:01:01	0.00009
P01_51	undefined[B*13:128(100)]	0.00009
P01_52	undefined[B*07:316N(100)]	0.00009
P01_53	undefined[B*13:03(100)]	0.00009
P01_54	undefined[B*13:02:30(100)]	0.00009
	B*51:01:01:01,B*51:01:01:04,B*51:01:01:05,B*51:01:01:06,B*51:01:01:09,B*51:01:01:10,B*51:01:01:11,B*51:01:01:13,B*51:01:01	
P01_55	1:34,B*51:01:01:84	0.00009
P01_56	undefined[B*35:01:01:03(1)]	0.00009
P01_57 P01_58	undefined[B*53:01:01:03(1)] undefined[B*07:359(100)]	0.00009
P01_58 P01_58	undefined[B*07:114(100)]	0.00009
P01_59	B*51:01:02:01	0.00003
P02 01	B*57:01:01:01	0.00112
P02_01	B*57:03:01:02	0.00477
P02 01	B*57:03:01:01	0.00084
P02 01	undefined[B*57:01:01:07(1)]	0.00075
P02 01	B*57:02:01:01,B*57:02:01:03	0.00065
P02 01	undefined[B*57:01:01:01(1)]	0.00037
P02_01	undefined[B*57:01:01:01(1)]	0.00028
P02_01	undefined[B*57:01:01:07(1)]	0.00028
P02_01	B*57:04:01	0.00019
P02_01	undefined[B*57:01:01:01(1)]	0.00019
P02_01	undefined[B*57:01:01:01(1)]	0.00019
P02_01	undefined[B*57:01:01:07(1)]	0.00009
P02_01	undefined[B*57:02:01:04(1)]	0.00009
P02_01	undefined[B*57:05(10)]	0.00009
P02_01	undefined[B*57:02:01:04(1)]	0.00009
P02_01	undefined[B*57:01:01:01(1)]	0.00009
P02_01	undefined[B*57:01:01:07(1)]	0.00009
P02_01	undefined[B*57:01:01:01(1)]	0.00009
P02_01	undefined[B*57:01:01:07(1)]	0.00009
P02_01 P02_01	undefined[B*57:03:01:02(1)]	0.00009
P02_01 P02_01	undefined[B*57:01:01:07(1)] undefined[B*57:02:01:01(1)]	0.00009
P02_01 P02_01	undefined[B*57:02:01:01(1)] undefined[B*57:03:01:01(1)]	0.00009
P02_01 P02_01	undefined[B*97:03:01:01(1)] undefined[B*08:181(100)]	0.00009
P02_01	undefined[B*57:05(10)]	0.00009
P02_01	undefined[B*57:01:01:07(1)]	0.00009
P02_01	undefined[B*57:02:01:04(1)]	0.00009
P02_01	undefined[B*57:01:01:07(1)]	0.00009
P02_01	undefined[B*57:01:01:07(1)]	0.00009
P02_01	undefined[B*57:01:01:07(1)]	0.00009
P02_01	undefined[B*57:01:01:01(1)]	0.00009
P02_02	B*57:03:01:05	0.00234
P02 02	undefined[B*08:01:01:41(100)]	0.00009
1 02_02		0.00009

P02_02 undefined[B*57:03:01:04(1)] P02_03 undefined[B*57:02:01:04(1)] P02_03 undefined[B*57:02:01:04(1)] P02_04 undefined[B*57:03:01:01(1)] P02_05 undefined[B*13:01:01:01(100)]	0.00009 0.00028 0.00009 0.00009
P02_03 undefined[B*57:02:01:04(1)] P02_04 undefined[B*57:03:01:01(1)] P02_05 undefined[B*13:01:01:01(100)]	0.00009
P02_04 undefined[B*57:03:01:01(1)] P02_05 undefined[B*13:01:01:01(100)]	
P02_05 undefined[B*13:01:01:01(100)]	0.0000
P02_05 undefined[B*13:01:01:01(100)]	1 0.00009
	0.00009
P02 06 B*57:01:01:01	0.00009
P02_07	0.00009
P02_08 B*57:01:01:01	0.00009
P02_09 B*57:01:01:01	0.00009
P03_01 B*49:01:01:01,B*49:01:01:04	0.01786
P03 01 B*45:01:01:01,B*45:01:01:03	0.01412
P03_01 B*50:01:01	0.01318
P03 01 B*41:01:01:01	0.00468
P03 01 B*41:02:01:01	0.00411
P03_01	0.00094
P03_01 B*50:01:01:02	0.00065
P03_01 B*49:01:01:02	0.00065
P03_01 B*41:03:01	0.00037
P03_01 undefined[B*50:01:01:03(1)]	0.00037
P03_01 undefined[B*45:01:01:02(1)]	0.00028
P03_01 B*41:04	0.00028
P03_01 undefined[B*49:01:01:01(1)]	0.00019
P03 01 undefined[B*41:01:01(1)]	0.00019
P03 01	0.00019
P03 01 B*45:07	0.00019
P03_01	0.00019
P03_01	0.00009
P03_01	0.00009
P03_01 undefined[B*49:76(1)]	0.00009
P03_01 undefined[B*41:01:01:04(1)]	0.00009
P03_01 undefined[B*07:129(100)]	0.00009
P03_01	0.00009
P03 01	0.00009
P03 01	0.00009
P03 01	0.00009
P03 01 undefined[B*49:01:01:03(1)]	0.00009
- ' '	
P03_01	0.00009
P03_01	0.00009
P03_01 undefined[B*07:05:01:04(100)]	0.00009
P03_01 undefined[B*45:01:01:02(1)]	0.00009
P03_01 undefined[B*07:14:02(100)]	0.00009
P03_01 undefined[B*41:01:01:01(1)]	0.00009
P03_01	0.00009
P03_01	0.00009
P03_01 B*40:01:02:01,B*40:01:02:04,B*40:01:02:06,B*40:01:02:11,B*40:01:02:33,B*40:01:02:34,B*40:01:02:40,B*40:01:02:41	0.00009
P03_01	0.00009
P03_01 B*40:16:01:01	0.00009
P03_01 undefined[B*49:01:01:03(1)]	0.00009
P03_01 B*41:01:01:06	0.00009
P03_01 undefined[B*49:01:01:01(1)]	0.00009
P03_01 B*41:02:01:05	0.00009
P03_02 B*40:01:02:01,B*40:01:02:04,B*40:01:02:06,B*40:01:02:11,B*40:01:02:33,B*40:01:02:34,B*40:01:02:40,B*40:01:02:41	0.02244
P03_02	0.00047
P03 02	0.00028
P03 02	0.00028
P03_02	0.00019
P03_02	0.00019
P03_02	0.00019
P03_02 B*40:01:02:50	0.00019
P03_02 undefined[B*40:01:02:14(1)]	0.00019
P03_02 B*40:01:02:10	0.00019
P03_02 undefined[B*40:01:02:14(1)]	0.00019
P03_02	0.00009
P03 02 undefined[B*40:01:02:01(1)]	0.00009
P03 02	0.00009
P03 02 B*40:150	0.00009
P03_02	0.00009
- ' ' '	
P03_02	0.00009
P03_03 B*40:01:02:01,B*40:01:02:04,B*40:01:02:06,B*40:01:02:11,B*40:01:02:33,B*40:01:02:34,B*40:01:02:40,B*40:01:02:41	0.00458
P03_03 undefined[B*40:01:02:14(1)]	0.00009

P03_03	undefined[B*40:01:02:14(1)]	0.00009
P03_04	undefined[B*45:01:01:02(1)]	0.00009
P03_04	B*45:01:01:01,B*45:01:01:03	0.00009
P03_05	B*40:01:02:01,B*40:01:02:04,B*40:01:02:06,B*40:01:02:11,B*40:01:02:33,B*40:01:02:34,B*40:01:02:41	0.00019 0.00019
P03_06 P03_07	B*40:01:02:01,B*40:01:02:04,B*40:01:02:06,B*40:01:02:11,B*40:01:02:33,B*40:01:02:34,B*40:01:02:41 B*40:01:02:01,B*40:01:02:04,B*40:01:02:06,B*40:01:02:11,B*40:01:02:33,B*40:01:02:34,B*40:01:02:41B*40	0.00019
P03_07	B*50:01:01:01 B*50:01:01:01	0.00009
P03_08	B*50:01:01:01	0.00009
P03_03	B*41:02:01:01	0.00009
P03_11	B*40:01:02:01,B*40:01:02:04,B*40:01:02:06,B*40:01:02:11,B*40:01:02:33,B*40:01:02:34,B*40:01:02:40,B*40:01:02:41	0.00009
P04 01	B*15:01:01:01,B*15:01:01:48	0.01964
P04 01	B*46:01:01:01	0.01711
P04 01	B*15:03:01:02	0.01384
P04 01	B*15:10:01:01,B*15:10:01:02,B*15:10:01:05	0.01150
P04 01	B*15:18:01:02,B*15:18:01:05	0.00449
P04_01	B*15:04:01:02	0.00243
P04_01	B*15:08:01:01	0.00224
P04_01	B*15:01:01:04	0.00206
P04_01	B*15:05:01:01	0.00159
P04_01	B*15:11:01	0.00131
P04_01	B*15:220:01:01	0.00131
P04_01	B*15:04:01:01	0.00094
P04_01	undefined[B*15:03:01:01(1)]	0.00084
P04_01	B*15:12:01	0.00075
P04_01	B*15:20	0.00075
P04_01	undefined[B*46:01:01:02(1)]	0.00075
P04_01	B*15:15:01:01	0.00065
P04_01	B*15:07:01:01	0.00047
P04_01	B*15:18:01:03	0.00047
P04_01	B*15:01:01:06	0.00037
P04_01	undefined[B*46:01:01:02(1)]	0.00037
P04_01	undefined[B*15:01:01:14(1)]	0.00037
P04_01 P04_01	B*15:04:04 B*15:27:01:01	0.00037 0.00037
P04_01 P04 01	undefined[B*15:10:01:03(1)]	0.00037
P04_01 P04 01	B*15:32:01	0.00037
P04_01	B*15:03:01:01	0.00037
P04_01	undefined[B*15:01:01:14(1)]	0.00028
P04_01	B*15:450	0.00028
P04 01	undefined[B*15:03:01:01(1)]	0.00028
P04 01	undefined[B*15:09:01(10)]	0.00028
P04 01	undefined[B*15:153(1)]	0.00028
P04 01	B*15:09:01	0.00028
P04_01	B*15:37	0.00028
P04_01	undefined[B*15:03:01:01(1)]	0.00028
P04_01	undefined[B*46:01:01:02(1)]	0.00028
P04_01	undefined[B*15:03:01:01(1)]	0.00019
P04_01	undefined[B*15:03:01:01(1)]	0.00019
P04_01	B*15:01:01:16	0.00019
P04_01	undefined[B*46:01:01:01(1)]	0.00019
P04_01	undefined[B*15:03:01:01(1)]	0.00019
P04_01	B*15:40:01	0.00019
P04_01	B*40:12:01	0.00019
P04_01	B*15:47:01	0.00019
P04_01	undefined[B*15:01:01:10(1)]	0.00009
P04_01	undefined[B*15:10:01:01(1)]	0.00009
P04_01	undefined[B*46:01:01:02(1)]	0.00009
P04_01	undefined[B*15:10:01:03(1)]	0.00009
P04_01	undefined[B*15:08:01:01(10)]	0.00009
P04_01	undefined[B*15:01:01:08(1)]	0.00009
P04_01	B*15:03:01:09 P*15:20:01:02	0.00009
P04_01 P04_01	B*15:39:01:02 undefined[B*15:05:01:02(1)]	0.00009
P04_01 P04_01	undefined[B*15:05:01:02(1)] undefined[B*15:01:01:05(10)]	
P04_01 P04_01	undefined[B*15:01:01:05(10)] undefined[B*15:04:01:03(1)]	0.00009
P04_01 P04 01	undefined[B*15:499(1)] undefined[B*15:499(1)]	0.00009
P04_01 P04_01	undefined[B*15:153(1)]	0.00009
1 0+_U1	undefined[B*46:01:01:02(1)]	0.00009
P04 01	· · · · · · · · · · · · · · · · · · ·	0.00009
P04_01 P04_01	I B*15:10:06	().()()()()
P04_01	B*15:10:06 undefined[B*46:01:01:01(1)]	
P04_01 P04_01	undefined[B*46:01:01:01(1)]	0.00009
P04_01 P04_01 P04_01	undefined[B*46:01:01:01(1)] undefined[B*15:08:01:01(1)]	0.00009 0.00009
P04_01 P04_01	undefined[B*46:01:01:01(1)]	0.00009

P04 01	undefined[B*15:01:01:01(1)]	0.00009
P04_01 P04 01	undefined[B*46:01:01:02(1)]	0.00009
P04_01	undefined[B*15:01:01:12(10)]	0.00009
P04_01	undefined[B*15:153(1)]	0.00009
P04_01	undefined[B*15:04:01:02(10)]	0.00009
P04_01	undefined[B*15:07:01:01(1)]	0.00009
P04_01	undefined[B*13:01:10(100)]	0.00009
P04_01	B*15:29:01:01	0.00009
P04_01	undefined[B*15:03:01:01(1)]	0.00009
P04_01 P04_01	undefined[B*15:03:01:01(1)]	0.00009
P04_01 P04 01	B*15:35:01:01 B*15:24:01	0.00009 0.00009
P04_01	undefined[B*15:10:01:01(1)]	0.00009
P04 01	B*15:39:01:01	0.00009
P04_01	undefined[B*15:01:01:01(1)]	0.00009
P04_01	B*46:01:01:02	0.00009
P04_01	undefined[B*15:01:01:01(1)]	0.00009
P04_01	undefined[B*15:10:01:01(1)]	0.00009
P04_01	undefined[B*15:01:01:10(1)]	0.00009
P04_01 P04_01	B*15:52 undefined[B*46:01:01:01(1)]	0.00009
P04_01 P04_01	undefined[B*15:01:01:01(1)]	0.00009 0.00009
P04_01 P04 01	undefined[B*15:01:01:01(1)]	0.00009
P04_01	undefined[B*15:03:01:01(1)]	0.00009
P04_02	B*15:02:01:01,B*15:02:01:05	0.01085
P04_02	B*15:25:01:01	0.00196
P04_02	B*15:06	0.00056
P04_02	undefined[B*15:02:01:01(1)]	0.00028
P04_02	B*15:21:01:01	0.00019
P04_02	undefined[B*15:02:01:01(1)]	0.00019
P04_02	undefined[B*15:25:04(1)]	0.00019
P04_02	B*15:31:01:02	0.00009
P04_02 P04_02	undefined[B*15:02:01:01(10)] undefined[B*15:02:01:02(1)]	0.00009 0.00009
P04_02	B*15:13:01	0.00009
P04 02	undefined[B*15:02:01:02(1)]	0.00009
P04 02	undefined[B*15:25:04(1)]	0.00009
P04_03	B*15:17:01:01,B*15:17:01:03	0.00645
P04_03	undefined[B*15:17:01:01(1)]	0.00009
P04_04	B*15:16:01:02	0.00337
P04_04	undefined[B*15:16:01:02(1)]	0.00009
P04_04	undefined[B*15:16:01:02(1)]	0.00009
P04_04	B*40:26	0.00009
P04_05 P04_06	B*15:37 B*15:16:01:02	0.00019 0.00009
P04_06 P04_07	B*15:02:01:01,B*15:02:01:05	0.00009
P04_07	B*15:18:01:02,B*15:18:01:05	0.00009
P04 09	B*15:09:01	0.00009
P04 10	undefined[B*15:01:01:10(1)]	0.00009
P04_11	B*15:01:01:01,B*15:01:01:48	0.00009
P04_12	B*15:18:01:02,B*15:18:01:05	0.00009
P04_13	B*15:01:01:01,B*15:01:01:48	0.00009
P04_14	B*15:18:01:02,B*15:18:01:05	0.00009
P04_15	undefined[B*49:01:01:09(100)]	0.00009
P04_16	B*15:18:01:02,B*15:18:01:05	0.00009
P04_17	B*15:01:01:01,B*15:01:01:48	0.00009
P04_19 P04_20	B*15:220:01:01 B*15:32:01	0.00009 0.00037
P04_20 P05_01	B*82:01:01:01	0.00037
P05_01	B*82:02:01:02	0.00073
P05_02	undefined[B*82:02:01:02(1)]	0.00009
P06_01	B*55:01:01:01	0.00804
P06_01	B*56:01:01:04	0.00458
P06_01	B*54:01:01:01,B*54:01:01:05	0.00402
P06_01	B*55:02:01:04	0.00206
P06_01	B*55:02:01:07	0.00075
P06_01	B*59:01:01:01	0.00075
P06_01 P06_01	undefined[B*56:01:01:01(1)] undefined[B*55:01:01:01(1)]	0.00047 0.00037
		0.00037
	L B*56·01·01·01	
P06_01	B*56:01:01:01 undefined[B*55:01:01:05(1)]	
	#\$56:01:01:01 undefined[B*55:01:01:05(1)] undefined[B*56:01:01:01(1)]	0.00037 0.00028 0.00028
P06_01 P06_01	undefined[B*55:01:01:05(1)]	0.00028

P06 01	undefined[B*56:01:01:01(1)]	0.00019
P06_01	undefined[B*54:01:01:02(1)]	0.00019
P06_01	undefined[B*55:01:01:05(1)]	0.00019
P06 01	undefined[B*55:02:11(1)]	0.00019
P06_01	undefined[B*55:01:01:05(1)]	0.00019
P06_01	B*56:04:01:01	0.00019
P06_01	undefined[B*55:01:01:05(1)]	0.00019
P06_01	undefined[B*55:02:01:04(1)]	0.00009
P06_01	undefined[B*55:01:01:01(1)]	0.00009
P06_01 P06_01	undefined[B*56:04:01:01(1)] B*56:02:01:01	0.00009
P06_01	undefined[B*55:02:01:04(1)]	0.00009
P06_01	undefined[B*55:01:01:05(1)]	0.00009
P06 01	undefined[B*54:01:01:02(1)]	0.00009
P06 01	undefined[B*55:01:01:05(1)]	0.00009
P06_01	undefined[B*56:01:01:01(1)]	0.00009
P06_01	B*55:01:01:08	0.00009
P06_01	undefined[B*54:01:01:02(1)]	0.00009
P06_01	undefined[B*54:01:01:02(1)]	0.00009
P06_01	undefined[B*55:02:11(1)]	0.00009
P06_01	undefined[B*54:01:01:02(1)]	0.00009
P06_01	undefined[B*55:02:11(1)]	0.00009
P06_01	undefined[B*54:01:01:02(1)]	0.00009
P06_02 P06_03	B*56:02:01:01 B*56:01:01:04	0.00056 0.00028
P06_03 P06_04	undefined[B*55:01:01:05(1)]	0.00028
P06_04	B*55:01:01:19	0.00009
P06 05	undefined[B*55:01:01:05(1)]	0.00009
P06_06	undefined[B*55:01:01:05(1)]	0.00009
P06_07	B*55:01:01:01	0.00009
P07_01	B*47:01:01:03,B*47:01:01	0.00168
P07_02	B*47:01:01:03,B*47:01:01:06	0.00037
P07_02	B*47:03	0.00028
P07_03	B*47:01:01:03,B*47:01:01:06	0.00009
P08_01	B*13:02:01:01	0.01290
P08_01 P08_01	B*13:01:01:01,B*13:01:01:02 B*13:02:01:07	0.00870 0.00150
P08_01	B*13:01:01:07	0.00130
P08_01	undefined[B*13:01:01:01(1)]	0.00028
P08 01	undefined[B*13:02:01:06(1)]	0.00019
P08_01	undefined[B*13:01:01:01(1)]	0.00019
P08_01	undefined[B*13:02:01:01(1)]	0.00019
P08_01	undefined[B*13:02:01:01(1)]	0.00019
P08_01	undefined[B*13:02:01:01(1)]	0.00019
P08_01	undefined[B*13:01:01:01(1)]	0.00019
P08_01	B*13:01:01:03	0.00019
P08_01	undefined[B*13:01:01:04(1)]	0.00019
P08_01 P08_01	undefined[B*13:02:01:06(1)] undefined[B*13:02:01:01(1)]	0.00009
P08_01	undefined[B*13:02:01:01(1)]	0.00009
P08_01	undefined[B*13:02:01:01(1)] undefined[B*13:02:01:06(1)]	0.00009
P08 01	undefined[B*13:02:01:06(1)]	0.00009
P08_01	undefined[B*07:343N(100)]	0.00009
P08_01	undefined[B*13:02:01:01(1)]	0.00009
P08_01	undefined[B*13:02:01:01(1)]	0.00009
P08_01	undefined[B*13:01:01:04(1)]	0.00009
P08_01	undefined[B*13:02:01:02(1)]	0.00009
P08_02	B*13:02:01:01	0.00009
P08_03	B*13:02:01:01 P*44:02:01:01 P*44:02:01:10 P*44:02:01:10	0.00009
P09_01 P09_01	B*44:03:01:01,B*44:03:01:10,B*44:03:01:19 B*44:02:01:01,B*44:02:01:20,B*44:02:01:55	0.03413 0.02085
P09_01	B*44:03:02:01,B*44:03:02:04	0.02083
P09_01	B*44:02:01:03	0.00331
P09_01	B*44:03:01:02	0.00112
P09_01	B*44:05:01:01	0.00103
P09_01	B*44:10	0.00094
P09_01	B*44:03:01:16,B*44:03:01:17	0.00094
P09_01	B*44:27:01:01	0.00056
P09_01	undefined[B*44:03:01:21(1)]	0.00037
P09_01	undefined[B*44:03:01:01(1)]	0.00037
P09_01	undefined[B*44:02:01:07(1)]	0.00037
P09_01 P09_01	B*44:02:01:35 undefined[B*44:03:01:01(1)]	0.00019 0.00019
P09_01 P09_01	B*44:03:01:09	0.00019
. 55_51	1	0.00013

P09_01 undefined[B*44:02:01:02S(1)] P09_01 undefined[B*44:03:01:21(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 B*44:02:01:05 P09_01 undefined[B*44:02:01:01(1)] P09_01 B*44:02:01:43 P09_01 undefined[B*44:03:02:03(1)] P09_01 undefined[B*44:03:02:01(1)] P09_01 B*44:03:01:23 P09_01 B*44:03:01:28 P09_01 undefined[B*44:05:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)]	0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019
P09_01 undefined[B*44:03:02:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 B*44:02:01:05 P09_01 undefined[B*44:02:01:01(1)] P09_01 B*44:02:01:43 P09_01 undefined[B*44:03:02:03(1)] P09_01 undefined[B*44:03:02:01(1)] P09_01 B*44:03:01:23 P09_01 B*44:03:01:28 P09_01 undefined[B*44:05:01:01(1)] P09_01 undefined[B*44:03:01:01(1)]	0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019
P09_01	0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019
P09_01	0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00009
P09_01	0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00009
P09_01	0.00019 0.00019 0.00019 0.00019 0.00019 0.00019 0.00009
P09_01 undefined[B*44:03:02:03(1)] P09_01 undefined[B*44:03:02:01(1)] P09_01 B*44:03:01:23 P09_01 B*44:03:01:28 P09_01 undefined[B*44:05:01:01(1)] P09_01 undefined[B*44:02:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)]	0.00019 0.00019 0.00019 0.00019 0.00019 0.00009
P09_01 undefined[B*44:03:02:01(1)] P09_01 B*44:03:01:23 P09_01 B*44:03:01:28 P09_01 undefined[B*44:05:01:01(1)] P09_01 undefined[B*44:02:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)]	0.00019 0.00019 0.00019 0.00019 0.00009
P09_01	0.00019 0.00019 0.00019 0.00009
P09_01 B*44:03:01:28 P09_01 undefined[B*44:05:01:01(1)] P09_01 undefined[B*44:02:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:21(1)]	0.00019 0.00019 0.00009
P09_01 undefined[B*44:05:01:01(1)] P09_01 undefined[B*44:02:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:21(1)]	0.00019 0.00009
P09_01 undefined[B*44:02:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:21(1)] P09_01 undefined[B*44:03:01:21(1)]	0.00009
P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:21(1)]	
P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:21(1)]	0.00009
P09_01 undefined[B*44:03:01:01(1)] P09_01 undefined[B*44:03:01:21(1)]	0.00009
P09_01 undefined[B*44:03:01:21(1)]	0.00009
	0.00009
	0.00009
P09 01	0.00009
P09 01 undefined[B*44:02:01:17(10)]	0.00009
P09 01 undefined[B*44:02:01:07(1)]	0.00009
P09 01 undefined[B*44:03:01:21(1)]	0.00009
P09 01 B*44:03:01:38	0.00009
P09 01 B*44:10	0.00009
P09_01	0.00009
P09 01 undefined[B*44:02:01:01(1)]	0.00009
P09 01 undefined[B*44:03:01:21(1)]	0.00009
P09 01	0.00009
P09 01	0.0009
P09 01 undefined[B*44:03:02:01(10)]	0.0009
P09_01 B*44:03:01:23	0.00009
P09 01 undefined[B*44:02:01:07(1)]	0.00009
P09 01 B*44:03:01:03	0.00009
P09 01 undefined[B*44:03:02:03(1)]	0.00009
P09_01 B*44:03:01:23	0.00009
P09_01 B*44:02:01:34	0.00009
P09_01 undefined[B*44:02:01:18(10)]	0.00009
P09_01 undefined[B*44:03:02:01(1)]	0.00009
P09_01 undefined[B*44:03:02:03(1)]	0.00009
P09_01 B*44:03:01:12	0.00009
P09_01 undefined[B*44:03:01:21(10)]	0.00009
P09_01 undefined[B*44:50:03(1)]	0.00009
P09_02 B*44:02:01:01,B*44:02:01:20,B*44:02:01:55	0.00075
P09_02 undefined[B*44:02:01:07(1)]	0.00009
P09_03 B*44:03:01:01,B*44:03:01:10,B*44:03:01:19	0.00037
P09_04 B*44:02:01:01,B*44:02:01:20,B*44:02:01:55	0.00019
P09_04 B*44:03:01:01,B*44:03:01:19	0.00009
P09_05	0.00019
P09_06	0.00009
P09_07	0.00009
P09_08	0.00009
P09_10	0.00009
P09_11	0.00009
P09_12	0.00009
P09_13	0.00009
P09_14	0.00009
P10_01	0.00056
P10_02 B*73:01:01:01 P11_01 B*07:02:01:01,B*07:02:01:13,B*07:02:01:14,B*07:02:01:16,B*07:02:01:85,B*07:02:01:86	0.00009 0.05162
P11_01	0.05162
P11_01	0.00524
P11_01	0.00430
P11_01 B*81.01.01.01 P11_01 B*07:06:01:01	0.00421
P11_01 B*07.00.01.01 P11_01 B*48:02:01	0.00374
P11_01 B*48:02:01 P11_01 B*48:03:01:03	0.00084
P11_01	0.00073
P11 01	0.00047
	0.00037
P11 01 B*07:06:01:03	
P11_01	0.00037
P11_01 B*07:06:01:03 P11_01 undefined[B*07:02:01:01(1)] P11_01 undefined[B*07:02:01:100(1)]	0.00037 0.00028

D11 01		0.00030
P11_01 P11_01	undefined[B*81:01:01:01(1)] B*48:04:01:01	0.00028 0.00028
P11_01	undefined[B*48:01:01:03(1)]	0.00028
P11 01	B*07:02:01:39	0.00019
P11_01	B*07:14:01	0.00019
P11_01	undefined[B*48:01:01:01(1)]	0.00019
P11_01	undefined[B*48:01:01:01(1)]	0.00019
P11_01	undefined[B*07:02:01:100(1)]	0.00019
P11_01	B*07:02:01:41	0.00019
P11_01	undefined[B*07:02:01:100(1)]	0.00009
P11_01	undefined[B*07:05:01:01(1)]	0.00009
P11_01 P11_01	undefined[B*48:04:01:01(1)] undefined[B*42:16:02(10)]	0.00009
P11_01	B*48:02:01	0.00009
P11_01	undefined[B*48:01:01:03(1)]	0.00009
P11 01	undefined[B*48:01:01:01(1)]	0.00009
P11_01	B*07:06:01:01	0.00009
P11_01	undefined[B*07:02:01:100(1)]	0.00009
P11_01	undefined[B*07:06:01:04(1)]	0.00009
P11_01	undefined[B*48:01:01:01(1)]	0.00009
P11_01	B*48:02:01	0.00009
P11_01	undefined[B*81:01:01:01(1)]	0.00009
P11_01	B*48:02:01	0.00009
P11_01	B*48:05	0.00009
P11_01 P11_01	undefined[B*07:02:01:100(1)] undefined[B*07:02:01:05(1)]	0.00009
P11_01 P11_01	undefined[B*48:01:01:01(1)] undefined[B*48:01:01:01(1)]	0.00009
P11_01	B*81:02:01	0.00009
P11_01	undefined[B*81:01:01:02(1)]	0.00009
P11 01	undefined[B*07:02:01:100(1)]	0.00009
P11_01	B*48:43	0.00009
P11_01	undefined[B*07:05:01:01(1)]	0.00009
P11_01	B*48:04:01:02	0.00009
P11_01	undefined[B*07:02:01:01(1)]	0.00009
P11_01	B*48:02:01	0.00009
P11_02	B*48:02:01	0.00028
P11_02 P11_02	B*48:02:01	0.00009
P11_02 P11_03	B*48:02:01 B*42:01:01:01	0.00009
P11_03	B*42:02:01:02	0.00243
P11_03	undefined[B*42:01:01:02(1)]	0.00037
P11 03	undefined[B*42:01:01:02(1)]	0.00037
P11_03	undefined[B*42:01:01:01(1)]	0.00028
P11_03	undefined[B*42:01:01:02(1)]	0.00019
P11_03	undefined[B*42:01:01:02(1)]	0.00009
P11_03	undefined[B*42:01:01:02(1)]	0.00009
P11_03	undefined[B*42:02:02(1)]	0.00009
P11_03	undefined[B*42:01:01(1)]	0.00009
P11_04	B*07:13	0.00009
P11_05 P11_06	B*07:02:01:01,B*07:02:01:13,B*07:02:01:14,B*07:02:01:16,B*07:02:01:86 B*07:02:01:01,B*07:02:01:13,B*07:02:01:14,B*07:02:01:16,B*07:02:01:85,B*07:02:01:86	0.00009 0.00009
P11_06 P11_07	undefined[B*13:02:01:06(100)]	0.00009
P11_07	undefined[B*13:125(100)]	0.00009
P11_08	B*42:01:01:01	0.00009
P12_01	B*08:01:01:01,B*08:01:01:16	0.02815
P12_01	B*08:01:01:02	0.01150
P12_01	B*08:01:01:37	0.00065
P12_01	undefined[B*08:01:01:10(1)]	0.00056
P12_01	undefined[B*08:01:01:10(1)]	0.00028
P12_01	undefined[B*08:01:01:01(1)]	0.00028
P12_01	undefined[B*08:01:01:02(1)]	0.00019
P12_01 P12_01	undefined[B*08:01:01:10(1)] undefined[B*08:01:01:10(1)]	0.00019 0.00019
P12_01 P12_01	undefined[B*08:01:01:10(1)] undefined[B*88:01:01:01(1)]	0.00019
P12_01	undefined[B*08:01:01:01(1)]	0.00009
P12_01	undefined[B*08:01:01:10(1)]	0.00009
P12_01	undefined[B*08:01:01:02(1)]	0.00009
P12_01	undefined[B*08:01:01:10(1)]	0.00009
P12_01	undefined[B*08:01:01:10(1)]	0.00009
P12_01	undefined[B*08:01:01:02(1)]	0.00009
P12_02	B*08:01:01:02	0.00009
P12_02	B*08:01:01:01,B*08:01:01:16	0.00009
		0.00009
P12_03 P12_04	undefined[B*08:01:01:18(1)] undefined[B*08:02(10)]	0.00009

D12 OF	D*40.04.04.04.04.04.04.03	0.00000
P12_05 P13_01	B*48:01:01:01,B*48:01:01:02 B*14:02:01:01	0.00009 0.01758
P13_01 P13_01	B*14:01:01:01	0.01738
P13 01	undefined[B*14:02:01:04(1)]	0.00103
P13 01	B*14:03	0.00065
P13_01	B*14:02:01:03	0.00047
P13_01	undefined[B*14:02:01:01(1)]	0.00037
P13_01	undefined[B*14:02:01:04(1)]	0.00019
P13_01	undefined[B*14:02:01:04(1)]	0.00019
P13_01	undefined[B*14:02:01:04(1)]	0.00009
P13_01	undefined[B*14:02:01:04(1)]	0.00009
P13_01	undefined[B*14:02:01:04(1)] undefined[B*14:02:01:04(1)]	0.00009
P13_01 P13_01	B*14:02:02	0.00009
P13_01	undefined[B*14:02:01:04(1)]	0.00009
P13_01	undefined[B*14:01:01:04(1)]	0.00009
P13 01	undefined[B*14:01:01:01(1)]	0.00009
P13_01	undefined[B*14:02:01:04(1)]	0.00009
P13_01	undefined[B*14:02:01:04(1)]	0.00009
P13_01	undefined[B*14:02:01:04(1)]	0.00009
P13_01	B*14:85N	0.00009
P13_01	undefined[B*14:01:01:04(1)]	0.00009
P13_01	undefined[B*14:02:01:04(1)]	0.00009
P13_01	undefined[B*14:03(1)]	0.00009
P13_01 P13_01	undefined[B*14:01:01:01(1)] B*14:64	0.00009
P13_01 P13_01	undefined[B*14:02:01:01(1)]	0.00009
P13_01 P13_01	undefined[B*14:02:01:04(1)]	0.00009
P13_01	undefined[B*14:02:01:04(1)]	0.00009
P13 01	undefined[B*14:02:01:04(1)]	0.00009
P13_02	B*14:02:01:01	0.00009
P13_03	undefined[B*14:02:01:01(1)]	0.00009
P13_04	B*14:02:01:01	0.00009
P13_05	B*14:02:01:01	0.00009
P14_01	B*38:01:01:01,B*38:01:01:09	0.00963
P14_01	B*38:02:01:01	0.00664
P14_01 P14_01	B*39:01:01:03,B*39:01:01:05,B*39:01:01:17,B*39:01:01:23	0.00655 0.00281
P14_01 P14_01	B*39:06:02:01 B*39:10:01	0.00281
P14 01	B*39:09:01:01	0.000224
P14 01	B*39:05:01:02	0.00075
P14_01	B*39:01:03:01,B*39:01:03:02	0.00065
P14_01	B*39:02:02:04	0.00065
P14_01	B*39:11	0.00065
P14_01	B*67:01:01	0.00056
P14_01	undefined[B*38:01:01:05(1)]	0.00047
P14_01	B*39:03:01:01	0.00037
P14_01	B*39:12:01:02	0.00037
P14_01 P14_01	B*39:24:01 B*39:13:01	0.00037 0.00037
P14_01 P14_01	undefined[B*38:01:01:05(1)]	0.00037
P14 01	undefined[B*38:02:01:03(1)]	0.00019
P14 01	undefined[B*38:01:01:05(10)]	0.00019
P14_01	B*39:08	0.00019
P14_01	undefined[B*39:158(1)]	0.00019
P14_01	B*39:06:02:03	0.00019
P14_01	undefined[B*39:01:28(10)]	0.00009
P14_01	undefined[B*39:06:02:05(1)]	0.00009
P14_01	B*39:14:01:03	0.00009
P14_01 P14_01	undefined[B*39:06:02:05(1)] B*39:13:01	0.00009
P14_01 P14_01	B*39:14:01:03	0.00009
P14_01 P14_01	undefined[B*38:02:01:03(1)]	0.00009
P14_01	B*39:02:01:01	0.00009
P14_01	B*67:01:02	0.00009
P14_01	undefined[B*39:03:01:03(1)]	0.00009
P14_01	undefined[B*38:01:01:05(1)]	0.00009
P14_01	undefined[B*39:01:01:10(1)]	0.00009
P14_01	undefined[B*39:01:01:10(1)]	0.00009
P14_01	undefined[B*39:10:01(1)]	0.00009
P14_01	undefined[B*39:01:01:10(1)]	0.00009
P14_01 P14_01	B*39:31:01:02 B*39:13:01	0.00009
P14_01 P14_01	undefined[B*38:01:01:01(1)]	0.00009
, . U.		3.00003

D44 04	1. C 10 to 2.0. 04. 05 (4.1)	0.00000
P14_01	undefined[B*38:01:01:05(1)]	0.00009
P14_01 P14_01	undefined[B*39:162(10)] undefined[B*39:01:01:10(1)]	0.00009
P14_01 P14_01	undefined[B*38:01:01:05(1)]	0.00009
P14_01 P14_01	undefined[B*39:01:01:10(1)]	0.00009
P14_01	undefined[B*39:01:01:03(1)]	0.00009
P14_01	undefined[B*39:01:01:10(1)]	0.00009
P14 01	undefined[B*38:01:01:05(10)]	0.00009
P14 01	undefined[B*38:01:01:05(1)]	0.00009
P14 01	undefined[B*39:06:02:05(1)]	0.00009
P14 01	undefined[B*38:01:01:05(1)]	0.00009
P14 01	B*38:06	0.00009
P14_01	undefined[B*38:01:01:05(1)]	0.00009
P14 01	undefined[B*38:01:01:05(1)]	0.00009
P14 01	undefined[B*38:01:08(10)]	0.00009
P14 01	undefined[B*38:17(10)]	0.00009
P14 01	undefined[B*39:158(1)]	0.00009
P14 01	undefined[B*39:01:01:10(1)]	0.00009
P14 02	B*39:05:01:01	0.00290
P14 02	B*39:06:02:02	0.00112
P14_02	B*39:06:01:01	0.00075
P14_02	undefined[B*39:01:01:07(1)]	0.00028
P14_02	B*39:37:01:02	0.00009
P14 02	undefined[B*39:06:02:08(1)]	0.00009
P14_02	undefined[B*39:05:01:04(1)]	0.00009
P14_02	undefined[B*39:05:01:04(1)]	0.00009
P14_02	undefined[B*13:02:09(100)]	0.00009
P14_02	B*39:09:01:02	0.00009
P14_03	B*67:01:02	0.00019
P14 03	undefined[B*15:01:01:10(100)]	0.00009
P14_03	B*39:01:01:03,B*39:01:01:05,B*39:01:01:17,B*39:01:01:23	0.00009
P14_04	B*39:01:01:12	0.00009
P14_04	B*39:01:01:03,B*39:01:01:05,B*39:01:01:17,B*39:01:01:23	0.00009
P14_05	B*39:06:02:03	0.00009
P14_06	B*38:02:01:01	0.00009
P14_07	B*39:03:01:01	0.00009
P14_08	B*67:01:02	0.00009
P14_09	B*39:05:01:01	0.00009
P14_10	B*39:10:01	0.00009
P14_11	B*39:06:02:03	0.00009
P14_12	B*38:02:01:01	0.00009
P15_01	B*18:01:01:02,B*18:01:01:05,B*18:01:01:17,B*18:01:01:20,B*18:01:01:52	0.01842
P15_01	undefined[B*18:01:01:10(1)]	0.00037
P15_01	undefined[B*18:01:01:02(1)]	0.00019
P15_01	undefined[B*18:01:01:10(1)]	0.00019
P15_01	B*18:06	0.00019
P15_01	undefined[B*18:01:01:02(1)]	0.00019
P15_01	undefined[B*18:01:01:07(1)]	0.00009
P15_01	undefined[B*18:01:01:10(1)]	0.00009
P15_01	B*18:01:01:36	0.00009
P15_01	B*18:05:01:02	0.00009
P15_01	undefined[B*18:01:01:02(1)]	0.00009
P15_01	undefined[B*18:01:01:10(1)]	0.00009
P15_01	undefined[B*18:01:01:10(1)]	0.00009
P15_01	undefined[B*18:05:01:01(1)]	0.00009
P15_01	undefined[B*07:02:01:66(100)]	0.00009
P15_01	undefined[B*18:01:01:10(1)]	0.00009
P15_01	undefined[B*18:01:01:02(1)]	0.00009
P15_01	undefined[B*18:01:01:10(1)]	0.00009
P15_01	undefined[B*18:01:01:10(1)]	0.00009
P15_02	B*18:01:01:01,B*18:01:01:06,B*18:01:01:51	0.01253
P15_02	undefined[B*18:01:01:21(1)]	0.00019
P15_02	undefined[B*18:01:01:21(1)]	0.00019
P15_02	undefined[B*18:01:01:21(1)]	0.00009
P15_02	undefined[B*18:01:01:21(1)]	0.00009
P15_02	B*18:03:01:03	0.00009
P15_02	B*18:01:01:03	0.00009
P15_02	undefined[B*18:01:01:03(1)]	0.00009
P15_02	undefined[B*18:01:01:21(1)]	0.00009
P15 02	B*18:01:01:18	0.00009
P15 02	undefined[B*18:01:01:21(1)]	0.00009

P15_02	undefined[B*18:02:01(10)]	0.00009
P15_02	B*18:03:01:02	0.00009
P15_02	undefined[B*18:01:01:21(1)]	0.00009
P15_02	undefined[B*18:01:01:21(1)]	0.00009
P15_02	B*18:01:02	0.00009
P15_02	undefined[B*18:01:01:01(1)]	0.00009
P15_02 P15_02	undefined[B*18:01:01:01(1)] undefined[B*18:01:01:01(1)]	0.00009
P15_02	undefined[B*18:01:01:21(1)]	0.00009
P15_02	undefined[B*18:01:01:21(1)]	0.00009
P15_02	B*18:01:01:03	0.00003
P15 03	undefined[B*18:01:01:31(1)]	0.00009
P15 04	undefined[B*18:01:01:21(1)]	0.00009
P15 04	B*18:01:01:01,B*18:01:01:05	0.00009
P15 05	undefined[B*49:01:01:17(1)]	0.00009
P15_06	B*18:01:01:01,B*18:01:01:06,B*18:01:01:51	0.00009
P15_07	undefined[B*07:02:01:37(100)]	0.00009
P15_08	B*18:01:01:01,B*18:01:01:06,B*18:01:01:51	0.00009
P15_09	B*18:01:01:01,B*18:01:01:06,B*18:01:01:51	0.00009
P15_10	B*18:01:01:02,B*18:01:01:05,B*18:01:01:17,B*18:01:01:20,B*18:01:01:52	0.00009
P15_11	B*18:01:01:02,B*18:01:01:05,B*18:01:01:17,B*18:01:01:20,B*18:01:01:52	0.00009
P15_12	B*18:01:01:02,B*18:01:01:05,B*18:01:01:17,B*18:01:01:20,B*18:01:01:52	0.00009
P15_13	B*18:01:01:02,B*18:01:01:05,B*18:01:01:17,B*18:01:01:20,B*18:01:01:52	0.00009
P15_14	B*18:01:01:04	0.00009
P15_15	B*18:01:01:02,B*18:01:01:05,B*18:01:01:17,B*18:01:01:20,B*18:01:01:52	0.00009
P15_16	B*18:01:01:02,B*18:01:01:05,B*18:01:01:17,B*18:01:01:20,B*18:01:01:52	0.00009
P16_01	B*40:02:01:01,B*40:02:01:02,B*40:02:01:08,B*40:02:01:18,B*40:02:01:19,B*40:02:01:20,B*40:02:01:23,B*40:02:01:24	0.01618
P16_01	B*40:06:01:02,B*40:06:01:13	0.01206
P16_01	B*37:01:01:01	0.00954
P16_01	B*40:04:01:01	0.00383
P16_01	B*40:06:01:01,B*40:06:01:12,B*40:06:01:14	0.00318
P16_01 P16_01	B*27:07:01 B*40:06:04:01	0.00112 0.00084
P16_01	B*40:03:01:02,B*40:03:01:03	0.00084
P16 01	B*40:05:01:01	0.00075
P16_01	B*40:08:01:01	0.00037
P16 01	B*40:64:01:01	0.00037
P16 01	undefined[B*40:02:01:01(1)]	0.00028
P16 01	undefined[B*40:06:01:02(1)]	0.00028
P16 01	undefined[B*40:06:01:04(1)]	0.00028
P16_01	undefined[B*40:02:01:11(1)]	0.00028
P16_01	undefined[B*40:02:01:01(1)]	0.00028
P16_01	undefined[B*27:05:02:01(1)]	0.00019
P16_01	undefined[B*40:06:01:01(1)]	0.00019
P16_01	undefined[B*40:02:01:01(1)]	0.00019
P16_01	undefined[B*37:01:01:07(1)]	0.00019
P16_01	B*40:111	0.00019
P16_01	B*37:04:02	0.00009
P16_01	B*40:20:01:01	0.00009
P16_01	undefined[B*37:01:01:01(1)]	0.00009
P16_01	undefined[B*40:06:01:04(1)]	0.00009
P16_01	undefined[B*40:02:01:11(1)]	0.00009
P16_01	undefined[B*40:02:01:01(1)]	0.00009
P16_01	B*40:129	0.00009
P16_01 P16_01	undefined[B*37:01:01:07(1)]	0.00009
	undefined[B*40:06:01:02(1)]	
P16_01 P16_01	undefined[B*40:02:01:11(1)] undefined[B*37:01:01:01(1)]	0.00009
P16_01 P16 01	undefined[B*37:01:01:01(1)] undefined[B*37:01:01:01(1)]	0.00009
P16_01	B*40:229	0.00009
P16_01	undefined[B*40:06:01:02(1)]	0.00009
P16_01	undefined[B*37:01:01:02(1)]	0.00009
P16 01	B*40:06:01:04	0.00009
P16 01	undefined[B*40:02:01:01(1)]	0.00009
P16 01	undefined[B*40:04:01:01(1)]	0.00009
P16_01	undefined[B*37:01:01:07(1)]	0.00009
P16_01	undefined[B*40:02:01:11(1)]	0.00009
P16_01	B*40:02:01:21	0.00009
P16_01	undefined[B*40:06:04:01(1)]	0.00009
P16_01	B*40:02:01:07	0.00009
P16_01	undefined[B*40:02:01:11(1)]	0.00009
P16_01	undefined[B*37:01:01:03(1)]	0.00009
P16_01	undefined[B*40:04:01:02(1)]	0.00009
	undefined[B*40:06:01:04(1)]	0.00009

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P16_01	B*40:50:01:01	0.00009
P16_02	B*27:05:02:01,B*27:05:02:05,B*27:05:02:09	0.01225
P16_02	B*27:03	0.00196
P16_02	B*27:02:01:04	0.00075
P16_02	undefined[B*27:05:02:06(1)]	0.00028
P16_02	B*27:09	0.00028
P16_02	undefined[B*27:05:02:06(1)]	0.00019
P16_02	B*27:05:03	0.00019
P16_02	undefined[B*27:05:02:01(1)]	0.00019
P16_02	B*27:02:01:06	0.00009
P16_02	undefined[B*27:192(10)]	0.00009
P16_02	B*27:08	0.00009
P16_02	undefined[B*27:05:02:06(1)]	0.00009
P16_02	B*27:05:02:21	0.00009
P16_02	undefined[B*27:142(10)]	0.00009
P16_02	undefined[B*27:05:02:06(1)]	0.00009
P16_03	B*27:04:01	0.00215
P16_03	B*27:06:01:01	0.00037
P16_03	undefined[B*27:04:01(1)]	0.00009
P16_03	undefined[B*27:04:01(1)]	0.00009
P16_03	undefined[B*27:165(1)]	0.00009
P16_04	B*40:06:01:02,B*40:06:01:13	0.00019
P16_05	B*40:02:01:01,B*40:02:01:02,B*40:02:01:08,B*40:02:01:18,B*40:02:01:19,B*40:02:01:20,B*40:02:01:23,B*40:02:01:24	0.00009
P16_05	undefined[B*40:02:01:11(1)]	0.00009
P16_06	B*37:01:01:01	0.00009
P16_07	B*40:02:01:01,B*40:02:01:02,B*40:02:01:08,B*40:02:01:18,B*40:02:01:19,B*40:02:01:20,B*40:02:01:23,B*40:02:01:24	0.00009
P16_08	B*27:02:01:04	0.00009
P16_09	B*27:05:02:01,B*27:05:02:05,B*27:05:02:09	0.00009
P16_10	B*27:05:02:01,B*27:05:02:05,B*27:05:02:09	0.00009
P16_12	B*27:05:02:01,B*27:05:02:05,B*27:05:02:09	0.00009
P16_13	undefined[B*37:01:01:01(1)]	0.00009
undef_A	undefined[B*08:08N(10)]	0.00009
undef_B	B*15:01:01,B*15:01:01:48	0.00037