■Porpur_KAA8491610.1_13-125 rve.HG2.0:NA NA ■Porpur_KAA8491610.1_13-125 rve.HG2.0:NA NA ■Porpur_KAA8495183.1_1210-1326 rve.HG2.0:NA NA ■Porpur_KAA8500031.1_812-927 rve.HG2.0:NA NA	NA
Porpur_KAA8490537.1_836-952 rve.HG2.0:NA Porpur_KAA8495794.1_836-952 rve.HG2.0:N Porpur_KAA8498172.1_836-952 rve.HG2.0 Porpur_KAA8498172.1_836-952 rve.HG2.0 Porpur_KAA8490463.1_1246-1362 rve.HG2.0	c4wPfr_137.g27939.t1_10-86 rve.HG2.0:NA NA NA IA NA ::NA NA G2.0:NA NA
Porpur_KAA8492973.1_874-990 IVe.HG2 Porpur_KAA8490538.1_1248-1358 rve.HG2 Porpur_KAA8493391.1_572-689 rve.HG2 Porpur_KAA8497381.1_881-998 rve.HG2.0 Porpur_KAA8491012.1_453-562 rve.HG2.0 Porpur_KAA8497500.1_881-992 rve.HG2 Porpur_KAA8491602.1_881-997 rve.HG2	.0:NA NA .0:NA NA .0:NA NA :NA NA .0:NA NA
Porpur_KAA8493649.1_848-963 rve.HG2.0: Porpur_KAA8490462.1_1251-1365 rve.HG2.0: Porpur_KAA8493480.1_1251-1365 rve.HG2.0: Porpur_KAA8493480.1_1251-1365 rve.HG2.0: Porpur_KAA8493480.1_1251-1365 rve.HG2.0: Porpur_KAA8493480.1_1251-1365 rve.HG2.0:	G2.0:NA NA NA NA :NA NA .0:NA NA G2.0:NA NA
Porpur_KAA8491006.1_1251-1365 rventer 100 100 100 100 100 100 100 Porpur_KAA8490489.1_1251-1365 rventer 100 Porpur_KAA8490381.1_1251-1365 100 Porpur_KAA8498458.1_312-426 rventer Porpur_KAA8491326.1_1200-1315 rve.HG2.00 100 Porpur_KAA8495215.1_1200-1315 rve.HG2.00	e.HG2.0:NA NA rve.HG2.0:NA NA rve.HG2.0:NA NA ve.HG2.0:NA NA :NA NA
Porpur_KAA8491009.1_811-926 rve.HG2 Porpur_KAA8494005.1_1200-1315 rve Porpur_KAA8496123.1_1200-1315 rve Porpur_KAA8494668.1_1200-1315 Porpur_KAA8494421.1_1200-1315 Porpur_KAA8496807.1_1200-1315 Porpur_KAA8496807.1	HG2.0:NA NA ve.HG2.0:NA NA rve.HG2.0:NA NA 5 rve.HG2.0:NA NA 815 rve.HG2.0:NA NA
1 Porpur_KAA8494422.1_ 1 Porpur_KAA8490790.1	· · · · · · · · · · · · · · · · · · ·
Retfil_ETO04417_236-373 Tve.HG2.1:NA NA Retfil_ETO05178_1-113 rve.HG2.1:NA NA Retfil_ETO35932_39-156 rve.HG2.1:NA NA Chocri_XP_005711878.1_28-143 rve.HG2.1:NA NA Chocri_XP_005711286.1_412-527 rve.HG2.1:NA Chocri_XP_005711216.1_321-435 rve.HG2.1: Chocri_XP_005718038.1_337-433 rve.HG2.1:	NÁ NA NA
Chocri_XP_005718191.1_494-609 rve.HG2.1: Chocri_XP_005711300.1_1-115 rve.HG2.1: Chocri_XP_005712721.1_110-225 rve.H Chocri_XP_005719064.1_398-513 rve. Chocri_XP_005717806.1_522-637 Chocri_XP_005709956.1_595-71	NA NA I:NA NA IG2.1:NA NA e.HG2.1:NA NA rve.HG2.1:NA NA
Chocri_XP_005712007.1_41-1 Chocri_XP_005712071.1_21-122 rve.HG Chocri_XP_005712497.1_407-524 rve.HG2.1:N Chocri_XP_005718283.1_362-459 rve.HG2.1:N Chocri_XP_005710705.1_327-426 rve.HG2.1 Chocri_XP_005710351.1_396-512 rve.HG2.1	45 rve.HG2.1:NA NA 62.1:NA NA NA NA :NA NA :NA NA :NA NA
Chocri_XP_005717403.1_27-143 rve.HG2.1: Chocri_XP_005713006.1_430-537 rve.H Chocri_XP_005714783.1_355-463 rve.H Chocri_XP_005716240.1_418-534 rve Chocri_XP_005715432.1_336-452 r Chocri_XP_005719305.1_372-4	G2.1:NA NA IG2.1:NA NA .HG2.1:NA NA rve.HG2.1:NA NA I88 rve.HG2.1:NA NA
6 100 —Chocri_XP_005716592.	1_347-464 rve.HG2.1:NA NA 1_314-431 rve.HG2.1:NA NA 02 rve.HG2.1:NA NA -513 rve.HG2.1:NA NA 415-531 rve.HG2.1:NA NA
	032T_215-320 rve.HG2.1:NA NA g4057T_93-199 rve.HG2.1:NA NA e.HG2.1:NA NA rve.HG2.1:NA NA e.HG2.1:NA NA
Ulvmut_UM006_00891_135-270 rve.h 100 Ulvmut_UM031_00421_185-319 rve.h 98 Klenit_GAQ87975.1_2787-2899	HG2.1:NA NA HG2.1:NA NA rve.HG2.1:NA NA _1112-1220 rve.HG2.1:NA NA .p_93-183 rve.HG2.1:NA NA
Coka_g11320.t1_383-499 100 Coka_g5333.t1_745-860 r Cvel_26048.t1-p1_6 70 Perkma_EEQ99118_1462-	9 rve.HG2.1:NA NA rve.HG2.1:NA NA 6-179 rve.HG2.1:NA NA 72.t1-p1_143-257 rve.HG2.1:NA NA
Malcal_MALC Malcal_MALC Maljak_M 100 Maljak_M 100 Chabra_GBG68536_67-	nRNA.1_254-370 rve.HG2.1:NA NA FA_06663.mRNA.1_199-313 rve.HG2.1:NA NA Fal_MALCA_09051.mRNA.1_151-269 rve.HG2.1:NA NA FALJA_18736.mRNA.1_217-338 rve.HG2.1:NA NA FMALJA_16762.mRNA.1_191-313 rve.HG2.1:NA NA F181 rve.HG2.1:NA NA
96 —Chabra_GBG78005_1 100 —Chabra_GBG75525_385-4 -Chabra_GBG58928_33 98 —Chabra_GBG833 62 63 —Chabra_GBG83	43-1059 rve.HG2.1:NA NA 264-367 rve.HG2.1:NA NA 489 rve.HG2.1:NA NA 32-436 rve.HG2.1:NA NA 85_467-571 rve.HG2.1:NA NA 63161_753-854 rve.HG2.1:NA NA 66530_340-439 rve.HG2.1:NA NA
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Morvir_scaffold188.g1.t1_1254-1370 r Cpar_Cpar_evm1s5348_119-236 rve.He Linana_g32413.t1_640-750 rve.HG2.1:NA N/ Emue_0001g3716a_935-1050 rve.H Emue_0012g376a_2083-2198 rve.H	ve.HG2.1:NA NA G2.1:NA NA A HG2.1:NA NA HG2.1:NA NA
#Emue_0005g717a_911-1026 rve.H #Emue_0004g1713a_529-645 rve.H #Emue_0006g385a_896-1012 rve.H 100	IG2.1:NA NA HG2.1:NA NA e.HG2.1:NA NA rve.HG2.1:NA NA rve.HG2.1:NA NA
100 Emue_0011g1110a_47-163 100 Emue_0014g388a_741-857 Cint_ENSCINP00000031157	rve.HG2.1:NA NA rve.HG2.1:NA NA .1_714-825 rve.HG2.1:NA NA 88.1_555-658 rve.HG2.1:NA NA .1:NA NA
97 100 Aque_Aqu2.1.35344_0 100 Aque_Aqu2.1.35344_0	HG2.1:NA NA -149 rve.HG2.1:NA NA 01_230-321 rve.HG2.1:NA NA 01_182-291 rve.HG2.1:NA NA 001_16-120 rve.HG2.1:NA NA
100 Tetwil_Twilhelma_g173	
98 Tetwil_Twilhelma_ 93 Tetwil_Twilhelma_ 94 Tetwil_Twilhelma_ 95 Tetwil_Twilhelma_ 96 Tetwil_Twilhelma_ 97 Tetwil_Twilhelma_ 98 Tetwill_Twilhelma_ 98 Tetwil_Twilhelma_ 98 Tetwill_Twilhelma_ 98 Tetwill_Twilhe	g19073.t1_957-1070 rve.HG2.1:NA NA g27233.t2_793-906 rve.HG2.1:NA NA 16-126 rve.HG2.1:NA NA 01_177-287 rve.HG2.1:NA NA 5733_001_25-135 rve.HG2.1:NA NA 97_001_934-1046 rve.HG2.1:NA NA
#Aque_Aqu2.1.34 #Aque_Aqu2.1.1446 77 #Aque_Aqu2.1.008 99 #Aque_Aqu2.1.0	H024_001_1-99 rve.HG2.1:NA NA H024_001_1-99 rve.HG2.1:NA NA H035_001_60-172 rve.HG2.1:NA NA H0627_001_61-148 rve.HG2.1:NA NA H066_001_444-554 rve.HG2.1:NA NA H062311_1-92 rve.HG2.1:NA NA
17 Scil_scpid565 17 Scil_scpid565 100 Scil_scpid 100 Scil_scpid 1853 93 Lcom_lcpid1853	17_31-143 rve.HG2.1:NA NA 64_373-484 rve.HG2.1:NA NA cpid141103_90-186 rve.HG2.1:NA NA d79096_121-234 rve.HG2.1:NA NA 85_1-106 rve.HG2.1:NA NA 74_746-858 rve.HG2.1:NA NA
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**Morvir_scaffold 90 **Sman_Smp_194 97 **Sman_Smp_18 100 **Sman_Smp_18 **Lcom_lcpid119191_	180.g66.t1_929-1043 rve.HG2.1:NA NA 4000.1_pep_198-309 rve.HG2.1:NA NA 2910.1_pep_802-915 rve.HG2.1:NA NA 5370.1_pep_111-224 rve.HG2.1:NA NA _184-297 rve.HG2.1:NA NA 23241283.1 1336-1449 rve.HG2.1:NA NA
74 Scil_scpid24041_371 100 Scil_scpid24041_371 100 Scil_scpid24041_371 100 Scil_scpid24041_371 100 Scil_scpid24041_371 100 Scil_scpid24041_371	023239035.1_104-217 rve.HG2.1:NA NA I-485 rve.HG2.1:NA NA 8_560-674 rve.HG2.1:NA NA 7_748-862 rve.HG2.1:NA NA cpid150246_44-158 rve.HG2.1:NA NA d99486_1-105 rve.HG2.1:NA NA
Cvel_2447.t1-p1_591-707 rve.HG2.1:l Sman_Smp_185440.1_pep_674-791 r Masbal_CACRSC010000289.1.p Masbal_CACRSC010000030 Masbal_CACRSC010000056	NA NA rve.HG2.1:NA NA o1_933-1050 rve.HG2.1:NA NA o.1.p47_183-300 rve.HG2.1:NA NA 8.1.p26_418-535 rve.HG2.1:NA NA
Cscu_XP_023218077.1_1458-1557 rve.left	72-188 rve.HG2.1:NA NA HG2.1:NA NA HG2.1:NA NA re.HG2.1:NA NA re.HG2.1:NA NA _12-127 rve.HG2.1:NA NA
100 -Clyhem_TCONS_00056270-protein_100 -Clyhem_TCONS_00037964-protein_1100 -Clyhem_TCONS_00048555-protein_11100 -Acas_ELR14136_138-254 rve.HG 100 -Tetwil_Twilhelma_g16864.t1_157-21100 -Tetwil_Twilhelma_g22643.t1_84-1100 -Tetwil_Twilhelma_g22643.t1_84-1100 -Tetwil_Twilhelma_g22643.t1_84-1100 -Tetwil_Twilhelma_g22643.t1_84-1100 -Tetwil_Twilhelma_g22643.t1_84-1100 -Tetwil_Twilhelma_g22643.t1_84-1100 -Tetwil_Twilhelma_g22643.t1_84-1100 -Tetwilhelma_g22643.t1_84-1100 -Tetwilhelma_g22643.t1_910 -Tetwilhelma_g22643.t1_910 -Tetwilhelma_g22643.t1_910 -Tetwilhelma_g22643.t1_910 -Tetwilhelma_g22643.t1_910 -Tetwilhelma_g22643.t1_910 -Tetwilhelma_g22643.t1_910 -Tetwilhelma_g200 -Tetwilhelma_g200 -Tetwilhelma_g200 -Tetwilhelma_g200 -Tetwilhelma_g200 -Tetwilhelma_g200 -Tetwilhelma_g200 -Tetwilhelma_g200 -Tetwilhelma_g200 -Tetwilhelma_g20	_32-147 rve.HG2.1:NA NA 206-317 rve.HG2.1:NA NA 190-1300 rve.HG2.1:NA NA 2.1:NA NA 73 rve.HG2.1:NA NA 181 rve.HG2.1:NA NA
Andgod_ANDGO_02858.mRNA.1_ Andgod_ANDGO_02858.mRNA.1_ Malcal_MALCA_09971.mRNA Auraur_scaffold3678.g1.t1_149-26 Auraur_scaffold921.g6.t1_27-143 Clyhem_TCONS_0003639 Hydvul_Sc4wPfr_39	_122-237 rve.HG2.1:NA NA .1_61-178 rve.HG2.1:NA NA 5 rve.HG2.1:NA NA 8 rve.HG2.1:NA NA 91-protein_255-371 rve.HG2.1:NA NA 990.g27740.t1_30-143 rve.HG2.1:NA NA
Auraur_scaffold2596.g3. **Auraur_scaffold2596.g3.** **Aque_Aqu2.1.29685_001_394-499 **Tetwil_Twilhelma_g13365.t1_27 **Tetwil_Twilhelma_g779.t1_14 **Tetwil_Twilhelma_g774.t1_3	t1_1358-1471 rve.HG2.1:NA NA 5.t1_1007-1121 rve.HG2.1:NA NA rve.HG2.1:NA NA '-141 rve.HG2.1:NA NA 48-262 rve.HG2.1:NA NA 1-141 rve.HG2.1:NA NA
Tetwil_Twilhelma_g21533.t1_146 92 Tetwil_Twilhelma_g19694.t1_ 100 Tetwil_Twilhelma_g17214. 96 Tetwil_Twilhelma_g22028. 83 Tetwil_Twilhelma_g24709.t1_133	1-1576 rve.HG2.1:NA NA _464-579 rve.HG2.1:NA NA t1_928-1043 rve.HG2.1:NA NA t1_488-603 rve.HG2.1:NA NA 34-1448 rve.HG2.1:NA NA _679-795 rve.HG2.1:NA NA
Tetwil_Twilhelma_g26260.t1_14 Tetwil_Twilhelma_g17380.t1 Tetwil_Twilhelma_g17330 Tetwil_Twilhelma_g17845 Tetwil_Twilhelma_g26969.t1_336	461-1575 rve.HG2.1:NA NA _1018-1119 rve.HG2.1:NA NA .t1_1448-1562 rve.HG2.1:NA NA .t1_205-319 rve.HG2.1:NA NA
100 Tetwil_Twilhelma_g5556.t1_1 Tetwil_Twilhelma_g17423.t1_ Tetwil_Twilhelma_g16598.t2 83 Tetwil_Twilhelma_g3616.t1_ 91 Tetwil_Twilhelma_g16906.t1_9	87-301 rve.HG2.1:NA NA
*Notgen_g23887.t1_247-361 *Notgen_g23887.t1_247-361 *Notgen_g34829.t1_1-82 *Notgen_g21249.t1_239-3	_28-140 rve.HG2.1:NA NA G2.1:NA NA rve.HG2.1:NA NA rve.HG2.1:NA NA 53 rve.HG2.1:NA NA
Notgen_g41571.t1_868-986 rve **Mlei_ML0094_g2_t1_1276-13** **Emul_CDS3542** **India a second content of the content o	894 rve.HG2.1:NA NA 8.1_33-118 rve.HG2.1:NA NA _33-121 rve.HG2.1:NA NA
-Notgen_g25705.t1_1349-1464 -Nk52_evm1s2535_	728_g20_t1_548-656 rve.HG2.1:NA NA 0162_g4_t1_1-93 rve.HG2.1:NA NA rve.HG2.1:NA NA _201-304 rve.HG2.1:NA NA s1312_28-137 rve.HG2.1:NA NA
72 Nk52_evn Mlei_ML0508 100 Mlei_ML2814 80 100 Lcom_lcpid633	n1s1174_1-78 rve.HG2.1:NA NA n1s1676_1-78 rve.HG2.1:NA NA 8_g21_t1_1482-1599 rve.HG2.1:NA NA _g1_t1_1267-1384 rve.HG2.1:NA NA 82_879-996 rve.HG2.1:NA NA 6d20383_882-997 rve.HG2.1:NA NA
Plabra_CEI	21531_890-1007 rve.HG2.1:NA NA P03568_762-879 rve.HG2.1:NA NA EO95058_34-152 rve.HG2.1:NA NA CEP01806_151-268 rve.HG2.1:NA NA Cscu_XP_023210922.1_28-120 rve.HG2.1:NA NA g14498.t1_199-313 rve.HG2.1:NA NA pur_XP_030835526.1_526-636 rve.HG2.1:NA NA
•Masbal_CACRS •Masbal_index •M	SC010000713.1.p2_1-116 rve.HG2.1:NA NA _CACRSC010000054.1.p27_433-548 rve.HG2.1:NA NA al_CACRSC010000136.1.p9_1196-1311 rve.HG2.1:NA NA al_CACRSC010001925.1.p21_1196-1311 rve.HG2.1:NA NA asbal_CACRSC010000012.1.p48_258-373 rve.HG2.1:NA NA -Masbal_CACRSC010001923.1.p1040_1-114 rve.HG2.1:NA NA
82 Masb	■Masbal_CACRSC010000027.1.p65_1-114 rve.HG2.1:NA NA al_CACRSC010000129.1.p11_103-219 rve.HG2.1:NA NA ■Masbal_CACRSC010000611.1.p1_103-219 rve.HG2.1:NA NA ■Masbal_CACRSC010000070.1.p16_290-406 rve.HG2.1:NA NA ■Masbal_CACRSC010000226.1.p4_563-679 rve.HG2.1:NA NA □Masbal_CACRSC010000164.1.p11_292-408 rve.HG2.1:NA NA
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Notgen_g14459.t1_1-100 rv 95 Notgen_g29394.t1_1058-117 100 Notgen_g33255.t1_199-316 Notgen_g24161.t1_513-629 rve 100 Notgen_g38202.t1_816-902 rve 99 Notgen_g19374_t1_1-84 rve	e.HG2.1:NA NA 74 rve.HG2.1:NA NA rve.HG2.1:NA NA e.HG2.1:NA NA ve.HG2.1:NA NA
Notgen_g26713.t1_993-1109 r Notgen_g39444.t1_997-1113 r Notgen_g26682.t1_479-595 r Notgen_g32066.t1_477-594 rve.HG2.1:NA Emue_0017g889a_445-560 rve.HG2.1	rve.HG2.1:NA NA rve.HG2.1:NA NA rve.HG2.1:NA NA rve.HG2.1:NA NA NA
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1 Emue_0003g1573 1 Emue_0005g809a Emue_0003g1017a_1008-1 100 Emue_0004g1601a_834-9 Emue_0004g1586a_10	Ba_997-1114 rve.HG2.1:NA NA a_221-338 rve.HG2.1:NA NA 123 rve.HG2.1:NA NA
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*Emue_0012g4 *#Emue_0003g1 *Emue_0009g7	98 rve.HG2.1:NA NA 9-1118 rve.HG2.1:NA NA 18a_1093-1208 rve.HG2.1:NA NA 1103a_790-905 rve.HG2.1:NA NA 163a_1042-1157 rve.HG2.1:NA NA 5g1006a_996-1111 rve.HG2.1:NA NA
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