Category	Term	Count	Genes
GOTERM_MF_ALL	aa3-type cytochrome c oxidase	5	NM_004074, NM_004374, NM_004255, NM_001863, NM_001865,
			NM_005507, NM_003290, NM_002298, NM_004368, NM_021109, NM_183049, NM_004877, NM_007285, NM_012090, NM_006135, NM_003370, NM_000256,
COTEDNA NAS ALL	a satis de to alto a		NM_006646, NM_004924, NM_153649, NM_138632, NM_001002857, NM_002652,
GOTERM_MF_ALL	actin binding	24	NM_014548, NM_017771, NM_006457, NM_012334, NM_021103, NM_002356, NM_005720, NM_001101, NM_001614, NM_006135, NM_003370, NM_000256,
			NM_005731, NM_152862, NM_006646, NM_004389, NM_004924, NM_153649,
			NM_138632, NM_021019, NM_079423, NM_014548, NM_012334, NM_033546,
GOTERM_CC_ALL	actin cytoskeleton		NM_005721, NM_002356,
			NM_005507, NM_004368, NM_198829, NM_005206, NM_001175, NM_001511,
			NM_006135, NM_005731, NM_152862, NM_002314, NM_006646, NM_001664,
GOTERM_BP_ALL	actin cytoskeleton organization and biogenesis	14	NM_004924, NM_138632, NM_181335,
			NM_005507, NM_004368, NM_198829, NM_005206, NM_001175, NM_001511,
			NM_006135, NM_005731, NM_152862, NM_002314, NM_006646, NM_001664,
GOTERM_BP_ALL	actin filament-based process	14	NM_004924, NM_138632, NM_181335,
GOTERM_BP_ALL	actin polymerization and/or depolymerization	5	NM_006646, NM_198829, NM_138632, NM_006135, NM_005731, NM_152862,
			NM_003576, NM_031844, NM_033141, NM_173176, NM_005347, NM_001686, NM_001005273, NM_032409, NM_002953, NM_002567, NM_007317, NM_006282, NM_003987, NM_025150, NM_012393, NM_201533, NM_002969, NM_153292, NM_006597, NM_013233, NM_001261, NM_138813, NM_001357, NM_006254, NM_001001937, NM_001068, NM_012334, NM_005721, NM_212472, NM_014861, NM_002747, NM_148977, NM_139062, NM_001101, NM_001614, NM_007285, NM_024045, NM_014370, NM_003718, NM_001693, NM_003656, NM_002512, NM_005923, NM_000702, NM_004566, NM_000352, NM_005044, NM_015076, NM_003333, NM_000702, NM_004566, NM_000352, NM_005044, NM_015076, NM_003333, NM_003331, NM_003331, NM_003331, NM_0005044, NM_015076, NM_003331, NM_0
COTEDNA NAC ALL	adanul nucleatide hinding		NM_004333, NM_001271, NM_007355, NM_002314, NM_000291, NM_005345,
GOTEKIVI_IVIF_ALL	adenyl nucleotide binding	58	NM_017771, NM_003777, NM_030919, NM_001967, NM_014496,
GOTERM_BP_ALL	alcohol catabolism		NM_006755, NM_000365, NM_000291, NM_002046, NM_184041, NM_005566, NM_004174, NM_032591, NM_000238, NM_005714, NM_001014797, NM_005072,
GOTERM ME ALL	alkali metal ion binding		NM 152868, NM 000702, NM 004976, NM 004519,
GOTERINI_IVIF_ALL	arkan metarion binding		NM_001288, NM_001005611, NM_033323, NM_033223, NM_005072, NM_001853,
GOTERM_BP_ALL	anion transport		NM_152888, NM_002635, NM_000093, NM_004366,
COTENIAL PILATE	amon canaport		NM_007308, NM_005507, NM_004323, NM_005345, NM_000700, NM_003295,
GOTERM_BP_ALL	anti-apoptosis		NM_003897, NM_004333, NM_005347, NM_021960,

		NM_007308, NM_003810, NM_003900, NM_005507, NM_000700, NM_173176,
		NM_015322, NM_005347, NM_021960, NM_000312, NM_201413, NM_020529,
		NM_012238, NM_014550, NM_002598, NM_006282, NM_005923, NM_001066,
		NM_003790, NM_015675, NM_003824, NM_004323, NM_001636, NM_003897,
		NM_004333, NM_005745, NM_000211, NM_005345, NM_000576, NM_003295,
GOTERM BP ALL apoptosis		NM_006088, NM_018434,
		NM_003576, NM_031844, NM_033141, NM_173176, NM_005347, NM_001686,
		NM 001005273, NM 032409, NM 002953, NM 002567, NM 007317, NM 006282,
		NM_003987, NM_025150, NM_012393, NM_201533, NM_002969, NM_006597,
		NM_013233, NM_001261, NM_138813, NM_001357, NM_006254, NM_001001937,
		NM_001068, NM_012334, NM_005721, NM_212472, NM_014861, NM_002747,
		NM_148977, NM_139062, NM_001101, NM_001614, NM_007285, NM_024045,
		NM_014370, NM_003718, NM_001693, NM_003656, NM_002512, NM_005923,
		NM_000702, NM_004566, NM_000352, NM_015076, NM_004333, NM_005044,
COTERNA ME ALL ATRICING		NM_001271, NM_007355, NM_002314, NM_000291, NM_005345, NM_017771,
GOTERM_MF_ALL ATP binding	57	NM_003777, NM_030919, NM_001967, NM_014496, NM_007100, NM_001694, NM_001001937, NM_006476, NM_001002031,
		NM_006356, NM_001685, NM_001001977, NM_001686, NM_001002258,
GOTERM BP ALL ATP biosynthesis	11	NM 001693,
do renivi_bi_Ace Air biosynthesis	11	NM 007100, NM 001694, NM 001001937, NM 006476, NM 001002031,
		NM_006356, NM_001685, NM_001001977, NM_001686, NM_001002258,
GOTERM BP ALL ATP metabolism		NM 001693,
		NM_007100, NM_001694, NM_001001937, NM_006476, NM_001002031,
		NM_006356, NM_001685, NM_001001977, NM_001686, NM_001002258,
GOTERM_BP_ALL ATP synthesis coupled proton transport		NM 001693,
		NINI_007100, NINI_014861, NINI_006597, NINI_006476, NINI_006356, NINI_024045,
		NM_000352, NM_001002031, NM_138813, NM_001271, NM_001686,
		NM_001005273, NM_001693, NM_001357, NM_001694, NM_001001937,
		NM_001685, NM_003777, NM_001001977, NM_000702, NM_001002258,
GOTERM_MF_ALL ATPase activity	22	NM_001967,
		NIM_UU71UÚ, NIM_U14861, NIM_UU6597, NIM_UU6476, NIM_UU6356, NIM_U24U45,
		NM_000352, NM_001002031, NM_138813, NM_001271, NM_001686,
		NM_001005273, NM_001693, NM_001357, NM_001694, NM_001001937,
COTERNA ME ALL ATR. III II		NM_001685, NM_003777, NM_001001977, NM_000702, NM_001002258,
GOTERM_MF_ALL ATPase activity, coupled	22	NM_001967, NM_007100, NM_014861, NM_006476, NM_006356, NM_000352, NM_001002031,
		NM_138813, NM_001686, NM_001693, NM_001694, NM_001001937, NM_001685,
COTERNA ME ALL ATRaca activity accorded to management of substances		
GOTERM_MF_ALL ATPase activity, coupled to movement of substance	s 15	NM_001001977, NM_001002258, NM_000702,

			NM_007100, NM_014861, NM_006476, NM_006356, NM_001002031, NM_138813,
	ATPase activity, coupled to transmembrane		NM_001686, NM_001693, NM_001694, NM_001001937, NM_001685,
GOTERM_MF_ALL	movement of ions	14	NM_001001977, NM_001002258, NM_000702,
	ATPase activity, coupled to transmembrane		
GOTERM_MF_ALL	movement of ions, phosphorylative mechanism	6	NM_014861, NM_001694, NM_138813, NM_001686, NM_000702, NM_001693,
			NM_007100, NM_014861, NM_006476, NM_006356, NM_000352, NM_001002031,
	ATPase activity, coupled to transmembrane		NM_138813, NM_001686, NM_001693, NM_001694, NM_001001937, NM_001685,
	movement of substances		NM_001001977, NM_001002258, NM_000702,
GOTERM_MF_ALL	ba3-type cytochrome c oxidase	5	NM_004074, NM_004374, NM_004255, NM_001863, NM_001865, NM_002029, NM_006489, NM_001005377, NM_001511, NM_000211, NM_020956,
COTEDNA DD ALL	h de cuiteu		NM_002983, NM_002524, NM_006788, NM_002984, NM_207007, NM_002638,
GOTERM_BP_ALL	benavior	13	NM_000584, NM_001557,
			NM_001005273, NM_012318, NM_002013, NM_145699, NM_203374, NM_020956,
			NM_003908, NM_002984, NM_207007, NM_007317, NM_005072, NM_002872,
			NM_002356, NM_005474, NM_000424, NM_002272, NM_022486, NM_013233,
			NM_001064, NM_152831, NM_152868, NM_138813, NM_004519, NM_006397,
			NM_182706, NM_005858, NM_004227, NM_032251, NM_012482, NM_212472,
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			NM_018282, NM_006304, NM_005968, NM_001014797, NM_033223, NM_145046,
			NM 003245, NM 001015052, NM 000998, NM 005500, NM 003656, NM 006305,
			NM_183040, NM_013293, NM_020548, NM_005341, NM_001037663, NM_194447,
			NM_003428, NM_005986, NM_030613, NM_001085, NM_021130, NM_138769,
			NM_020530, NM_002652, NM_052978, NM_000996, NM_001015, NM_002691,
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			NM_025264, NM_205840, NM_032188, NM_003247, NM_006058, NM_006270,
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			NM_033267, NM_004633, NM_207414, NM_021103, NM_005484, NM_002298,
			NM_153292, NM_012478, NM_006135, NM_003169, NM_002635, NM_001795,
GOTERM MF ALL	hinding		NM 001357, NM 021074, NM 006497, NM 001664, NM 012334, NM 207303,
	0		
			NM_000526, NM_006076, NM_001010850, NM_021046, NM_000421, NM_145699,
			NM_001007524, NM_004894, NM_001623, NM_004847, NM_201998, NM_004767,
			NM_002723, NM_014329, NM_002298, NM_015710, NM_001997, NM_006930,
			NM_006472, NM_016399, NM_032012, NM_012090, NM_012478, NM_006010,
			NM_021029, NM_003453, NM_002959, NM_003021, NM_002652, NM_003378,
GOTERM_BP_ALL	biological process unknown	32	NM_025241, NM_170770, NM_004069,

	NM_001404, NM_001033056, NM_002065, NM_001028, NM_001025071,
	NM_005617, NM_001694, NM_000972, NM_003908, NM_170738, NM_003987,
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	NM_001032, NM_001026, NM_001997, XM_371019, NM_000978, NM_000975,
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	NM_002585, NM_138706, NM_000786, NM_000998, NM_000969, XM_015717,
	NM_001685, NM_018973, NM_014445, XM_293412, NM_000988, NM_001002,
	NM_001114, NM_000971, NM_033625, NM_001022, NM_000984, NM_001017,
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	NM_001402, NM_007355, NM_002970, NM_013234, NM_001005, NM_020244,
	NM_003896, NM_000996, NM_001015, NM_001025, NM_000976, NM_001002258,
	NM_005746, NM_001014, NM_001000, NM_001004, NM_001012321, NM_001007,
	NM_001686, NM_024996, NM_015414, NM_006058, NM_002568, NM_004807,
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	NM_014180, NM_000973, NM_012393, XM_208185, NM_153292, NM_184041,
COTERNA DR. All. Lieuwherie	NM_033251, NM_022551, NM_006356, NM_003333, NM_016219, NM_001011,
GOTERM_BP_ALL biosynthesis GOTERM BP ALL blood vessel development	132 NM_025072, NM_001031, NM_001001, XM_496442, NM_000986, NM_000980, 5 NM_006291, NM_031917, NM_014780, NM_000584, NM_005560,
GOTERM_BP_ALL blood vessel morphogenesis GOTERM_MF_ALL caa3-type cytochrome c oxidase	5 NM_006291, NM_031917, NM_014780, NM_000584, NM_005560, 5 NM_004074, NM_004374, NM_004255, NM_001863, NM_001865,
GOTEKIN_INIF_ALL caas-type cytocinome c oxidase	
	NM_014861, NM_005932, NM_006384, NM_032246, NM_000700, NM_005620,
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	NM_003245, NM_016190, NM_012318, NM_000312, NM_003247, NM_001623,
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	NM_023035, NM_001795, NM_001031717, NM_016219, NM_024329, NM_020672,
	NM_004924, NM_003295, NM_002664, NM_138769, NM_015055, NM_021019,
GOTERM_MF_ALL calcium ion binding	43 NM_079423, NM_005245, NM_002964,
	NM_023009, NM_004368, NM_153292, NM_032246, NM_003656, NM_002923,
GOTERM_MF_ALL calmodulin binding	7 NM_002356,
	NM_002747, NM_003576, NM_002969, NM_013233, NM_001261, NM_014370,
	NM_005044, NM_032409, NM_002314, NM_002953, NM_006282, NM_014496,
GOTERM_MF_ALL cAMP-dependent protein kinase activity	13 NM_212472,

GOTERM_MF_ALL carrier activity	NM_004074, NM_014861, NM_004549, NM_006294, NM_006476, NM_033323, NM_001002031, NM_004255, NM_001686, NM_001863, NM_001693, NM_152313, NM_001865, NM_019849, NM_002491, NM_001694, NM_005072, NM_001685, NM_001001977, NM_000702, NM_007100, NM_138454, NM_001636, NM_004374, NM_145283, NM_006356, NM_014402, NM_002635, NM_138813, NM_021074, NM_004174, NM_032591, NM_002489, NM_001001937, NM_004541, NM_000126, NM_005858, NM_01002258, NM_030777,
GOTERM_BP_ALL cation transport	NM_014861, NM_006476, NM_001014797, NM_001002031, NM_001686, NM_178867, NM_001693, NM_002032, NM_001694, NM_005072, NM_001685, NM_000146, NM_001001977, NM_000702, NM_007100, NM_000352, NM_006356, NM_023035, NM_152868, NM_138813, NM_004976, NM_004519, NM_001426, NM_004174, NM_001288, NM_032591, NM_000238, NM_016321, NM_001001937, NM_005714, NM_015353, NM_032513, NM_001002258,
GOTERM MF ALL cation transporter activity	NM_004074, NM_014861, NM_004549, NM_006294, NM_033323, NM_006476, NM_001002031, NM_001014797, NM_004255, NM_001686, NM_001863, NM_178867, NM_001693, NM_001865, NM_002491, NM_001694, NM_005072, NM_001685, NM_001001977, NM_000702, NM_007100, NM_004374, NM_023035, NM_006356, NM_000352, NM_152868, NM_014402, NM_138813, NM_004976, NM_004519, NM_001426, NM_021074, NM_004174, NM_001288, NM_032591, NM_000238, NM_016321, NM_002489, NM_005714, NM_001001937, NM_004541, NM_015353, NM_032513, NM_001002258,
OTENNI_INI_ALL Cation transporter activity	NM_007100, NM_014861, NM_001694, NM_001001937, NM_006476,
GOTERM_MF_ALL cation-transporting ATPase activity	NM_001002031, NM_006356, NM_001685, NM_001001977, NM_001686, NM_001002258, NM_001693,
GOTERM_MF_ALL cbb3-type cytochrome c oxidase	NM 004074, NM 004374, NM 004255, NM 001863, NM 001865,

T	
	NM_003108, NM_001005273, NM_000999, NM_152313, NM_012318, NM_002013,
	NM_203374, NM_020956, NM_003908, NM_007317, NM_005072, NM_152414,
	NM_002356, NM_005474, XM_372048, NM_000424, NM_002272, NM_001032,
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GOTERM_CC_ALL cell	599 NM_001024662, NM_033267, NM_004633, NM_021103, NM_005484, NM_004366,
	NM_002747, NM_017900, NM_212492, NM_001101, NM_001614, NM_014781,
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	NM_003333, NM_006497, NM_000576, NM_022118, NM_002524, NM_019084,
GOTERM BP ALL cell cycle	38 NM 005858, NM 000584, NM 002923, NM 022117,
,	NM_002969, NM_001623, NM_004847, NM_001800, NM_012090, NM_005938,
GOTERM_BP_ALL cell cycle arrest	6 NM_000584,
	NM_007308, NM_005507, NM_003810, NM_003900, NM_000700, NM_173176,
	NM_015322, NM_005347, NM_021960, NM_000312, NM_201413, NM_020529,
	NM_012238, NM_014550, NM_002598, NM_006282, NM_005923, NM_001066,
	NM_003790, NM_015675, NM_003824, NM_004323, NM_001636, NM_003897,
	NM_023035, NM_004333, NM_005745, NM_000211, NM_005345, NM_000576,
GOTERM BP ALL cell death	33 NM 003295, NM 006088, NM 018434,

	1		
GOTERM BP ALL	cell differentiation		NM_003900, NM_032108, NM_003125, NM_031917, NM_006181, NM_003245, NM_201535, NM_021960, NM_205840, NM_002585, NM_001024, NM_006096, NM_020956, NM_012238, NM_005987, NM_005988, NM_003656, NM_006291, NM_014780, NM_003987, NM_005474, NM_000424, NM_002272, NM_015675, NM_002969, NM_001022, NM_002705, NM_001005611, NM_178439, NM_001017418, NM_006945, NM_002581, NM_0033333, NM_002959, NM_005560, NM_005416,
GG 1211111_B1 _7122	cen differentiation	3.	
GOTERM CC ALL	cell fraction		NM_003810, NM_004549, NM_015256, NM_181642, NM_005968, NM_001002031, NM_004781, NM_001304, NM_206887, NM_002835, NM_000433, NM_002983, NM_002827, NM_001002857, NM_005729, NM_003458, NM_005072, NM_001685, NM_004366, NM_001005611, NM_152831, NM_152868, NM_001795, NM_004976, NM_021999, NM_014723, NM_004519, NM_016219, NM_021074, NM_001288, NM_020244, NM_000238, NM_005714, NM_014300, NM_001001937, NM_004541, NM_006457, NM_000584, NM_004227, NM_001002258, NM_003761,
001211111_00_7122	cen iradion		NM_002032, NM_201413, NM_002983, NM_025072, NM_023035, NM_005072,
GOTERM BP ALL	cell homeostasis	9	NM 000146, NM 000702, NM 021960,
	cell ion homeostasis		NM_002032, NM_201413, NM_002983, NM_023035, NM_005072, NM_000146, NM_000702,
GOTERM_BP_ALL	cell migration	6	NM_181335, NM_006181, NM_000584, NM_005560, NM_000211, NM_003333,
GOTERM BP ALL	cell motility		NM_005720, NM_000700, NM_005206, NM_001101, NM_001614, NM_001005377, NM_001175, NM_006181, NM_002983, NM_002984, NM_207007, NM_181335, NM_000702, NM_002356, NM_002029, NM_006135, NM_003370, NM_003333, NM_000211, NM_005731, NM_152862, NM_002314, NM_004924, NM_002524, NM_003777, NM_003329, NM_001557, NM_000584, NM_005560, NM_005721,

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			NM_002314, NM_004924, NM_020244, NM_138632, NM_020530, NM_006088,
			NM_006357, NM_003777, NM_004069, NM_031431, NM_020649, NM_022117,
GOTERM_BP_ALL	cell organization and biogenesis	88	NM_005560,
			NINA 005745 NINA 472475 NINA 005520 NINA 004544 NINA 000044 NINA 002740
			NM_005746, NM_173176, NM_005620, NM_001511, NM_000044, NM_003718,
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GOTERM_BP_ALL	cell proliferation	28	NM_020530, NM_003329, NM_001557, NM_000584, NM_006763, NM_005560,
		_	NM_004475, NM_201413, NM_006597, NM_001005377, NM_001494, NM_000918,
GOTERM_CC_ALL	cell surface	7	NM_005347,
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			NM_003333, NM_000211, NM_014723, NM_002341, NM_000576, NM_020530,
GOTERM_BP_ALL	cell-cell signaling		NM_017771, NM_003329, NM_000584, NM_005245,
GOTENIVI_DF_ALL	cen-cen signalling	20	14141_017771, 14141_003323, 14141_000304, 14141_003243,

		AND ALL OLD MINE THE STATE OF T
		NM_001404, NM_001033056, NM_002065, NM_001028, NM_001025071,
		NM_005617, NM_001694, NM_000972, NM_003908, NM_170738, NM_003987,
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GOTERM_BP_ALL cellular biosynthesis	128	NM_000980, NM_148977, NM_000992, XM_495839, NM_000661, NM_005801,
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GOTERM_BP_ALL cellular localization	32	NM_031431, NM_003624,

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GOTERM_BP_ALL	cellular macromolecule metabolism	193	NM_001404, NM_002835, NM_001025071, NM_005617, NM_002953, NM_002827, NM_00282
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GOTERM RP ALL	cellular metabolism		NM_006082, NM_020183, NM_001004, NM_207395, NM_001012321, NM_001686,

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GOTERM_BP_ALL co	ellular physiological process	516	NM_145648, NM_005620, NM_005566, NM_002800, NM_001865, NM_005801,
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GOTERM BP ALL CO	ellular process	577	NM_002635, NM_001795, NM_021074, NM_006497, NM_194252, NM_001664,

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GOTERM_BP_ALL	cellular protein metabolism	191	NM_001000, NM_001004, NM_001007, NM_001012321, NM_024996, NM_005576,
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GOTERM_BP_ALL	central nervous system development	7	NM_014496,
			NIM 002020 NIM 002092 NIM 002524 NIM 006799 NIM 001005277 NIM 002094
COTERNA DE ALL	chamatavia	10	NM_002029, NM_002983, NM_002524, NM_006788, NM_001005377, NM_002984,
GOTERM_BP_ALL	chemotaxis	10	NM_207007, NM_001511, NM_001557, NM_000584, NM_000211, NM_002229, NM_005634, NM_014292, NM_005487, NM_001271, NM_001005273,
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GOTERM CC ALL	chromatin	14	NM 001013699, NM 033396,
GOTERNIA_CC_ALE	en on acti		
GOTERM BP ALL	chromatin assembly	6	XM_293312, NM_012238, NM_001013699, NM_005324, NM_022117, NM_005474,
	,		
			NM_032188, XM_293312, NM_012238, NM_014292, NM_001271, NM_001005273,
GOTERM_BP_ALL	chromatin assembly or disassembly	11	NM_001013699, NM_005324, NM_022117, NM_020649, NM_005474,
GOTERM_MF_ALL	chromatin binding	5	NM_032188, NM_014292, NM_001271, NM_001005273, NM_020649,
			NM_032188, NM_012238, NM_014292, NM_003169, NM_001005273, NM_020649,
GOTERM_BP_ALL	chromatin modification	7	NM_005474,
			NAM 002220 NAM 005624 NAM 004720 NAM 044202 NAM 005407 NAM 004274
			NM_002229, NM_005634, NM_004729, NM_014292, NM_005487, NM_001271,
COTERNA CO			NM_001005273, NM_032188, NM_003113, XM_293312, NM_020238, NM_007317,
GOTERM_CC_ALL	cnromosome	17	NM_001068, NM_001013699, NM_020649, NM_005324, NM_033396,

			NM_014292, NM_003169, NM_001271, NM_001005273, NM_005986, NM_032188,
			XM_293312, NM_012238, NM_002971, NM_020649, NM_022117, NM_005324,
GOTERM_BP_ALL	chromosome organization and biogenesis	15	NM_001013699, NM_033396, NM_005474,
			NM_014292, NM_003169, NM_001271, NM_001005273, NM_005986, NM_032188,
	chromosome organization and biogenesis (sensu		XM_293312, NM_012238, NM_002971, NM_020649, NM_022117, NM_005324,
GOTERM_BP_ALL	Eukaryota)	15	NM_001013699, NM_033396, NM_005474,
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GOTERM_BP_ALL	coenzyme biosynthesis	15	NM_001685, NM_001001977, NM_001002258,
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GOTERM_BP_ALL	coenzyme metabolism	20	NM_001001977, NM_001002258, NM_001098,
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GOTERM_BP_ALL	cofactor biosynthesis	15	NM_001685, NM_001001977, NM_001002258,
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GOTERM_BP_ALL	cofactor metabolism	20	NM_001001977, NM_001002258, NM_001098,
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	cyclic nucleotide-dependent protein kinase activity		NM_212472,
GOTERM_MF_ALL	cytochrome-c oxidase activity	5	NM_004074, NM_004374, NM_004255, NM_001863, NM_001865,
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GOTERM_MF_ALL	,		NM_000584, NM_002964, NM_173842,
GOTERM_MF_ALL	cytokine binding	5	NM_000628, NM_001557, NM_001066, NM_004633, NM_003790,

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GOTERM_CC_ALL	cytoplasm	277	NM_005620, NM_022080, XM_495839, NM_005566, NM_002800, NM_001865,
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GOTERM MF ALL	cytoskeletal protein binding		NM_006457, NM_012334, NM_015133, NM_005456,
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			NM_001037494, NM_000256, NM_000211, NM_173086, NM_002213, NM_004924,
GOTERM CC ALL	cytoskeleton	64	NM 138632, NM 006088, NM 003777, NM 032488,

NM_005507, NM_006082, NM_198829, NM_021109, NM_183049, NM_022822, NM_005206, NM_001175, NM_001511, NM_057088, NM_006646, NM_002983, NM_007317, NM_181335, NM_006009, NM_021103, NM_000424, NM_002272, NM_004368, NM_006135, NM_001037494, NM_005731, NM_152862, NM_002284, NM_173086, NM_002314, NM_001664, NM_004924, NM_138632, NM_006088, NM_003777, NM_005560,
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47 NM 000976,
NM_000971, NM_033625, NM_000980, NM_003973, NM_000990, NM_001004, NM_000992, NM_000983, NM_015414, NM_000970, NM_001024662, NM_001033853, NM_000969, NM_000996, NM_006013, NM_000968, NM_000981 NM_000976, NM_001002,
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25 NM_006013, NM_000981, NM_000976,
6 NM_001005, NM_001014, NM_001022, NM_002952, NM_001012321, NM_001009
NM_007308, NM_005507, NM_003810, NM_003900, NM_000700, NM_173176, NM_015322, NM_005347, NM_021960, NM_000312, NM_201413, NM_020529, NM_012238, NM_014550, NM_002598, NM_006282, NM_005923, NM_001066, NM_003790, NM_015675, NM_003824, NM_004323, NM_001636, NM_003897, NM_023035, NM_004333, NM_005745, NM_000211, NM_005345, NM_000576, 33 NM_003295, NM_006088, NM_018434,

			NM_003810, NM_006332, NM_001010850, NM_002432, NM_000700, NM_001175,
			NM_001511, NM_004048, NM_000636, NM_001024466, NM_205840, NM_000628,
			NM_002032, NM_006058, NM_001623, NM_004847, NM_002984, NM_207007,
			NM_181652, NM_004633, NM_004267, NM_005474, NM_173842, NM_002468,
			NM_002029, NM_004107, NM_153292, NM_001005611, NM_013416, NM_006263,
			NM_016219, NM_005516, NM_005267, NM_013230, NM_001002235, NM_002964,
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			NM_002983, NM_005194, NM_003790, NM_003641, NM_003824, NM_002965,
			NM_005745, NM_194447, NM_003332, NM_000211, NM_005849, NM_001085,
GOTERM_BP_ALL	defense resnonse		
GOTERNIA DI ALL	detense response	37	NM_002341, NM_000576, NM_020530, NM_018643, NM_001557, NM_000584, NM_001007553, NM_0010584, NM_001007553, NM_0010584, NM_001007553, NM_0010584,
			NM_012318, NM_020956, NM_005988, NM_002984, NM_207007, NM_014548,
			NM_014780, NM_003987, NM_005474, NM_000424, NM_002272, NM_199187,
			NM_002969, NM_020860, NM_004114, NM_021019, NM_079423, NM_005416,
			NM_007308, NM_000526, NM_003125, NM_000226, NM_002146, NM_006304,
			NM_181870, NM_003245, NM_206887, NM_021960, NM_057091, NM_000200,
			NM_002585, NM_006617, NM_006096, NM_002274, NM_153490, NM_003656,
			NM_002823, NM_004475, NM_014213, NM_001022, NM_005413, NM_001017418,
			NM_006945, NM_023035, NM_002581, NM_021999, NM_003564, NM_020244,
			NM_020530, NM_005437, NM_006457, NM_022117, NM_198829, NM_000421,
			NM_005555, NM_001175, NM_201535, NM_025264, NM_205840, NM_002968,
			NM_003025, NM_207171, NM_005987, NM_006291, NM_024016, NM_005554,
			NM_001005611, NM_003897, NM_000263, NM_003333, NM_021074, NM_003260,
			NM_006497, NM_002524, NM_207303, NM_003900, NM_032108, NM_014279,
			NM_031917, NM_006181, NM_000992, NM_003718, NM_005252, NM_001024,
			NM_152879, NM_012238, NM_001002857, NM_015675, NM_002705,
			NM_001009181, NM_178439, NM_004333, NM_000211, NM_002959, NM_001426,
			NM 002213, NM 002357, NM 002314, NM 006357, NM 000584, NM 005245,
GOTERM BP ALL	development		NM 005560, NM 014496,
	·		NM_002032, NM_014861, NM_001288, NM_032513, NM_023035, NM_000146,
GOTERM_BP_ALL	di-, tri-valent inorganic cation transport	7	NM_178867,
GOTERM_MF_ALL	diacylglycerol binding		NM_152879, NM_020244, NM_006254, NM_004333, NM_201533,
			NM_014292, NM_003169, NM_001271, NM_001005273, NM_005986, NM_032188,
			XM_293312, NM_012238, NM_002971, NM_020649, NM_022117, NM_005324,
GOTERM_BP_ALL			NM_001013699, NM_005474,
GOTERM_CC_ALL	DNA-directed RNA polymerase II, holoenzyme	5	NM_005335, NM_005121, NM_003487, NM_015859, NM_012482,

			NM_005554, NM_000526, NM_000424, NM_002272, NM_003125, NM_004475,
			NM_002705, NM_000226, NM_001005611, NM_000421, NM_005555,
			NM_001017418, NM_006945, NM_003245, NM_002274, NM_153490, NM_005987,
GOTERM BP ALL	ectoderm development	16	NM 005988, NM 005416,
	·		NM_002491, NM_138454, NM_021074, NM_004549, NM_002489, NM_004541,
GOTERM_MF_ALL	electron carrier activity	8	NM_000126, NM_145283,
			NIA 045540 NIA 420454 NIA 004074 NIA 004540 NIA 000040 NIA 452202
			NM_016518, NM_138454, NM_004074, NM_004549, NM_000018, NM_153292,
			NM_013416, NM_004374, NM_006294, NM_145283, NM_000918, NM_004255,
			NM_014402, NM_001863, NM_001865, NM_002491, NM_021074, NM_000786,
GOTERM_BP_ALL	electron transport	24	NM_201413, NM_000126, NM_025072, NM_003329, NM_025150, NM_207127, NM_138454, NM_004549, NM_153292, NM_013416, NM_145283, NM_000918,
			NM_004255, NM_005576, NM_001865, NM_002491, NM_021074, NM_000433,
			NM_002489, NM_004541, NM_000126, NM_025072, NM_181652, NM_003329,
GOTERM ME ALL	electron transporter activity	19	NM 025150,
GOTERINI_IVII _ALL	election transporter activity	13	NM 003064, NM 030666, NM 201413, NM 001085, NM 000100, NM 181642,
GOTERM MF ALL	endopeptidase inhibitor activity	10	NM 002567, NM 002638, NM 001002235, NM 005213,
	,		NM_002029, NM_005817, NM_003295, NM_003569, NM_018171, NM_003761,
GOTERM_CC_ALL	endosome	7	NM_002959,
			NM_004074, NM_004549, NM_178526, NM_015256, NM_001636, NM_006294,
			NM_001002031, NM_004255, NM_014402, NM_002635, NM_001686, NM_001863,
			NM_021960, NM_001865, NM_003564, NM_021074, NM_001288, NM_001001937,
GOTERM_CC_ALL	envelope	23	NM_001685, NM_031212, NM_001001977, NM_003624, NM_001002258, NM_005789, NM_004877, NM_001175, NM_001511, NM_006263, NM_194301,
COTEDM ME ALL	onzumo activator activity	1.1	NM_005500, NM_006788, NM_022771, NM_001494, NM_181335, NM_005923, NM_002923, NM_018390,
GOTERIVI_IVIF_ALL	enzyme activator activity	14	NIVI_002923, NIVI_018390,
			NM_003824, NM_003900, NM_003347, NM_003169, NM_032836, NM_000211,
			NM_002032, NM_020529, NM_020812, NM_138632, NM_006457, NM_005858,
GOTERM MF ALL	enzyme binding	17	NM_006098, NM_003624, NM_015133, NM_033396, NM_005456,
	, 3		
			NM_003064, NM_212492, NM_004877, NM_000700, NM_181642, NM_002537,
			NM_005347, NM_030666, NM_001085, NM_201413, NM_000100, NM_016311,
			NM_178190, NM_001002857, NM_001800, NM_002567, NM_004152, NM_002638,
GOTERM_MF_ALL	enzyme inhibitor activity	20	NM_001002235, NM_005213, NM_005456,

GOTERM ME ALL	enzyme regulator activity		NM_212492, NM_000700, NM_181642, NM_002537, NM_001175, NM_001511, NM_005347, NM_030666, NM_201413, NM_020812, NM_000100, NM_016311, NM_178190, NM_001002857, NM_194301, NM_005500, NM_001800, NM_002567, NM_006788, NM_181335, NM_002638, NM_005923, NM_005213, NM_003064, NM_005789, NM_004877, NM_007355, NM_006263, NM_001085, NM_022771, NM_001494, NM_004152, NM_001002235, NM_004227, NM_002923, NM_018390, NM_005456, NM_212472,
GOTERNIA TALE	chzyme regulator detivity	3,	NM_003125, NM_002705, NM_005987, NM_005988, NM_001017418, NM_006945,
		l _	
GOTERM_BP_ALL	epidermal cell differentiation	7	NM_003245, NM_005416,
			NM_000424, NM_002272, NM_000526, NM_003125, NM_004475, NM_002705, NM_000226, NM_000421, NM_001017418, NM_006945, NM_003245, NM_002274,
GOTERM BP ALL	epidermis development	13	NM 153490, NM 005987, NM 005988, NM 005416,
	·		NM_003125, NM_002705, NM_005987, NM_005988, NM_001017418, NM_006945,
GOTERM_BP_ALL	epidermis morphogenesis		NM_003245, NM_005416,
GOTERM BP ALL	ER to Golgi vesicle-mediated transport	5	NM 001024226, NM 198398, NM 022080, NM 005745, NM 001662,
	·		NM_014292, NM_003169, NM_001271, NM_001005273, NM_005986, NM_032188,
	establishment and/or maintenance of chromatin		XM_293312, NM_012238, NM_002971, NM_020649, NM_022117, NM_005324,
GOTERM_BP_ALL	architecture	14	NM_001013699, NM_005474,
COTERM RR ALL			NM_003900, NM_032452, NM_005932, NM_006082, NM_001024226, NM_022822, NM_007285, NM_198398, NM_005487, NM_022080, NM_005131, NM_001662, NM_020529, NM_002486, NM_006305, NM_001017998, NM_007317, NM_006009, NM_001636, NM_199040, NM_007347, NM_003569, NM_005745, NM_000978, NM_002959, NM_001664, NM_006088, NM_003777, NM_004069, NM_002136,
GOTERIVI_BP_ALL	establishment of cellular localization	32	NM_031431, NM_003624,

			NM_005131, NM_152313, NM_002491, NM_002032, NM_001694, NM_201413,
			NM_002556, NM_006788, NM_002984, NM_207007, NM_007317, NM_181335,
			NM_005072, NM_025150, NM_002356, NM_207127, NM_007100, NM_002029,
			NM_001636, NM_013416, NM_199040, NM_145283, NM_152888, NM_152868,
			NM_138813, NM_000978, NM_004519, NM_000288, NM_001288, NM_001001937,
			NM_003329, NM_002136, NM_005858, NM_004227, NM_015133, NM_005721,
			NM 005720, NM 001101, NM 001614, NM 001005377, NM 014453, NM 033323,
			NM_001014797, NM_033223, NM_001002031, NM_004781, NM_178867,
			NM 017657, NM 001693, NM 001662, NM 019849, NM 000786, NM 020529,
			NM_002486, NM_006305, NM_001685, NM_001853, NM_006009, NM_020548,
			NM_213601, NM_007347, NM_023035, NM_005745, NM_006088, NM_003777,
			NM_031431, NM_001002258, NM_183235, NM_005456, NM_006822, NM_006082,
			NM 198829, NM 001024226, NM 000700, NM 001175, NM 004255, NM 198398,
			NM_001686, NM_001863, NM_052859, NM_001031677, NM_005817,
			NM_001017998, NM_176812, NM_000146, NM_004366, NM_153292,
			NM_001005611, NM_018593, NM_181836, NM_006356, NM_000918, NM_014402,
			NM_006135, NM_002635, NM_004976, NM_003333, NM_005731, NM_152862,
GOTERM BP ALL	establishment of localization	159	NM_021074, NM_016226, NM_001664, NM_000238, NM_005267, NM_002524,
			NM_032452, NM_005932, NM_001024226, NM_014453, NM_007285, NM_022080,
			NM_017657, NM_001662, NM_020529, NM_001031677, NM_001017998,
			NM_176812, NM_007347, NM_003569, NM_005745, NM_000978, NM_002959,
			NM_016226, NM_001664, NM_000288, NM_001494, NM_004069, NM_031431,
GOTERM_BP_ALL	establishment of protein localization	28	NM_021168, NM_003624, NM_183235, NM_019059, NM_006822,
		_	NM_001005, NM_001014, NM_001022, NM_003753, NM_003908, NM_002952,
GOTERM_CC_ALL	eukaryotic 43S preinitiation complex	8	NM_001012321, NM_001009,
GOTERM CC ALL	aukanyatis 195 initiation complay	6	NINA 00100E NINA 00101A NINA 001022 NINA 0020E2 NINA 001012221 NINA 001000
GOTERIVI_CC_ALL	eukaryotic 48S initiation complex	0	NM_001005, NM_001014, NM_001022, NM_002952, NM_001012321, NM_001009,
			NM_000365, NM_006476, NM_004255, NM_001686, NM_001863, NM_002491,
			NM_201413, NM_001694, NM_016311, NM_178190, NM_025150, NM_207127,
			NM_001098, NM_007100, NM_006755, NM_153292, NM_184041, NM_013416,
			NM_006356, NM_145283, NM_014402, NM_000918, NM_002710, NM_002635,
			NM_021074, NM_001001937, NM_025072, NM_003329, NM_016518, NM_004549,
			NM_004074, NM_000018, NM_006294, NM_001002031, NM_005609, NM_005566,
			NM_001865, NM_001693, NM_000786, NM_002046, NM_001685, NM_001001977,
			NM_138454, NM_001675, NM_004374, NM_000291, NM_004541, NM_000126,
GOTERM_BP_ALL	generation of precursor metabolites and energy	49	NM_000160, NM_001002258,

GOTERM BP ALL	glucose catabolism	6	NM_006755, NM_000365, NM_000291, NM_002046, NM_184041, NM_005566,
			NM_006755, NM_001675, NM_000365, NM_000291, NM_002046, NM_184041,
GOTERM BP ALL	glucose metabolism	7	NM 005566,
GOTERM_BP_ALL	glycolysis	5	NM_000365, NM_000291, NM_002046, NM_184041, NM_005566,
			NM_022087, NM_005114, NM_032452, NM_006423, NM_001024226, NM_003003,
			NM_007285, NM_007347, NM_022080, NM_017657, NM_001662, NM_002959,
			NM_205840, NM_001031677, NM_032591, NM_005817, NM_002556, NM_003896,
GOTERM_CC_ALL	Golgi apparatus	23	NM_002524, NM_022130, NM_031431, NM_004267, NM_012235,
COTERNA DE ALL	Calai vasiala tuanan aut		NAMA 00402422C NAMA 002ECO NAMA 100200 NAMA 022000 NAMA 00EZAE NAMA 004CC2
GOTERIM_BP_ALL	Golgi vesicle transport	Ь	NM_001024226, NM_003569, NM_198398, NM_022080, NM_005745, NM_001662,
			NM_021205, NM_198829, NM_006082, NM_001024226, NM_175571, NM_003245,
			NM_024996, NM_001402, NM_001662, NM_001664, NM_001031677, NM_006270,
			NM_020812, NM_002524, NM_021033, NM_138769, NM_001017998, NM_006088,
GOTERM MF ALL	GTP binding		NM 001665, NM 006009, NM 021168, NM 002872, NM 183235, NM 006822,
			_
			NM_198829, NM_006082, NM_001024226, NM_003245, NM_001402, NM_001662,
			NM_001664, NM_006270, NM_002524, NM_021033, NM_001017998, NM_001665,
GOTERM_MF_ALL	GTPase activity	16	NM_006088, NM_006009, NM_002872, NM_183235,
			NM_021205, NM_198829, NM_006082, NM_001024226, NM_175571, NM_003245,
			NM_024996, NM_001402, NM_001662, NM_001664, NM_001031677, NM_006270,
			NM 020812, NM 002524, NM 021033, NM 138769, NM 001017998, NM 006088,
COTEDNA ME ALL	guanyl nucleotide binding		NM 001665, NM 006009, NM 021168, NM 002872, NM 183235, NM 006822,
	heme-copper terminal oxidase activity		NM 004074, NM 004374, NM 004255, NM 001863, NM 001865,
GOTERM_MF_ALL	• • • • • • • • • • • • • • • • • • • •		NM_003247, NM_201413, NM_000992, NM_000983, NM_000093,
00121111_111_7122	incputiti Sitiating		
GOTERM BP ALL	hexose catabolism	6	NM_006755, NM_000365, NM_000291, NM_002046, NM_184041, NM_005566,
			_
			NM_002032, NM_004174, NM_032591, NM_201413, NM_002983, NM_000576,
GOTERM_BP_ALL	homeostasis	12	NM_025072, NM_023035, NM_005072, NM_000146, NM_000702, NM_021960, NM_004549, NM_004074, NM_006476, NM_006294, NM_001002031, NM_004255,
			NM_001686, NM_001863, NM_001865, NM_001693, NM_002491, NM_001694,
			NM_001685, NM_001001977, NM_007100, NM_004374, NM_006356, NM_014402,
COTEDNA NAS ALL			NM_021074, NM_032591, NM_004174, NM_001001937, NM_002489, NM_004541,
GOTERM_MF_ALL	hydrogen ion transporter activity	25	NM_001002258, NM_007100, NM_014861, NM_006476, NM_006356, NM_001002031, NM_001686,
			NM_001693, NM_001694, NM_001001937, NM_001685, NM_001001977,
GOTERM RD ALL	hydrogen transport	12	NM 001002258, NM 000702,
GOTLINIVI_BF_ALL	Inyurogen transport	1 13	NIVI_001002236, NIVI_000702,

			NM_007100, NM_001694, NM_001001937, NM_006476, NM_001002031,
	hydrogen-transporting ATP synthase activity,		NM_006356, NM_001685, NM_001001977, NM_001686, NM_001002258,
GOTERM_MF_ALL	rotational mechanism	11	NM_001693,
			NM_007100, NM_001694, NM_001001937, NM_006476, NM_001002031,
	hydrogen-transporting ATPase activity, rotational		NM_006356, NM_001685, NM_001001977, NM_001686, NM_001002258,
GOTERM_MF_ALL	mechanism	11	NM_001693,
			NM_007100, NM_001694, NM_001001937, NM_006476, NM_001002031,
			NM_006356, NM_001685, NM_001001977, NM_001686, NM_001002258,
GOTERM_MF_ALL	hydrogen-transporting two-sector ATPase activity	11	NM_001693,
			NM_014861, NM_006082, NM_198829, NM_001024226, NM_006476, NM_024045,
			NM_001002031, NM_001686, NM_001005273, NM_003245, NM_001693,
			NM_001662, NM_001694, NM_006270, NM_001017998, NM_001665, NM_001685,
			NM_006009, NM_001001977, NM_002872, NM_000702, NM_007100, NM_006597,
			NM_199040, NM_006356, NM_000352, NM_138813, NM_001271, NM_001402,
			NM_001357, NM_001664, NM_001001937, NM_002524, NM_021033, NM_006088,
GOTERM_MF_ALL	hydrolase activity, acting on acid anhydrides	39	NM_003777, NM_001002258, NM_001967, NM_183235,
			NM_007100, NM_014861, NM_006476, NM_006356, NM_000352, NM_001002031,
	hydrolase activity, acting on acid anhydrides,		NM_138813, NM_001686, NM_001693, NM_001694, NM_001001937, NM_001685,
GOTERM_MF_ALL	catalyzing transmembrane movement of substances	15	NM_001001977, NM_001002258, NM_000702,
			NM 014861, NM 006082, NM 198829, NM 001024226, NM 006476, NM 024045,
			NM_001002031, NM_001686, NM_001005273, NM_003245, NM_001693,
			NM_001662, NM_001694, NM_006270, NM_001017998, NM_001665, NM_001685,
			NM 006009, NM 001001977, NM 002872, NM 000702, NM 007100, NM 006597,
			NM_199040, NM_006356, NM_000352, NM_138813, NM_001271, NM_001402,
	hydrolase activity, acting on acid anhydrides, in		NM_001357, NM_001664, NM_001001937, NM_002524, NM_021033, NM_006088,
GOTERM MF ALL	phosphorus-containing anhydrides	39	NM_003777, NM_001002258, NM_001967, NM_183235,
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			NM_004566, NM_005789, NM_006423, NM_033141, NM_032591, NM_130847,
GOTERM_MF_ALL	identical protein binding	12	NM_183040, NM_006282, NM_005923, NM_000146, NM_000521, NM_024096,
			NM_002468, NM_003824, NM_003900, NM_000985, NM_003810, NM_016479,
GOTERM_BP_ALL	I-kappaB kinase/NF-kappaB cascade	11	NM_001664, NM_020529, NM_014550, NM_000801, NM_001001483,

			NM_003810, NM_006332, NM_001010850, NM_002432, NM_000700, NM_001175,
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GOTERM_BP_ALL	immune response	53	NM_001557, NM_000584,
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GOTERM_BP_ALL	inflammatory response	22	NM_001557, NM_000584, NM_004267, NM_173842, NM_005474, NM_002964,
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GOTERM_BP_ALL	inorganic anion transport	10	NM_152888, NM_002635, NM_000093, NM_004366,
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GOTERM_CC_ALL	intermediate filament	17	NM_002276,
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GOTERM_CC_ALL	intermediate filament cytoskeleton	17	NM_002276,

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GOTERM_CC_ALL	intracellular	486	NM_005566, NM_002800, NM_001865, NM_005801, XM_058967, NM_001024,
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GOTERM_CC_ALL	intracellular non-membrane-bound organelle	165	NM_015414, NM_032188, NM_006646, XM_293312, NM_001033853, NM_000970,
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GOTERM_CC_ALL	intracellular organelle	408	NM_006357, NM_015859, NM_020649, XM_371853, NM_031844, NM_022822,

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GOTERM BP ALL	intracellular signaling cascade		NM_001557, NM_000584, NM_183235, NM_006822, NM_005456,
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GOTERM_MF_ALL	ion binding	151	NM_001664, NM_003407, NM_000238, NM_022118, NM_015457, NM_003168,

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GOTERM_BP_ALL	ion homeostasis	9	NM_005072, NM_000146, NM_000702,
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GOTERM BP ALL	ion transport	41	NM 000093,
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COTEDNA ME ALL	ion transporter activity	47	NM 001002258,
GOTERIVI_IVIF_ALL	ion transporter activity	47	NM_000365, NM_005729, NM_021130, NM_025072, NM_000801, NM_000918,
GOTERM ME ALL	isomerase activity	8	NM 001068, NM 002013,
GOTERM BP ALL	·		NM_033141, NM_212492, NM_005923, NM_015133, NM_005456,
GOTENNI_BI_/NEE	STATE COSCOLUCE		NM_003125, NM_002705, NM_005987, NM_005988, NM_001017418, NM_006945,
GOTERM BP ALL	keratinization	7	NM 003245, NM 005416,
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GOTERM_MF_ALL	kinase binding	10	NM_032836, NM_015133, NM_000211, NM_005456,
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COTEDNA CO 111			NM_000970, NM_001024662, NM_000969, NM_000996, NM_006013, NM_000968,
GOTERINI_CC_ALL	large ribosomal subunit	20	NM_000981, NM_000976, NM_001002, NM_020548, NM_000700, NM_174897, NM_013416, NM_001002031, NM_004333,
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GOTERM MF ALL	linid hinding	10	NM 201533,
GOTEINIVI_IVIII_ALL	iipia viiiaiiig	10	14141_2010000,

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GOTERM_BP_ALL	localization	159	NM_021074, NM_016226, NM_001664, NM_000238, NM_005267, NM_002524,
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GOTERM BP ALL	localization of cell		NM_003777, NM_003329, NM_001557, NM_000584, NM_005560, NM_005721,
GOTENNI_DI_ALL	TOCALIZATION OF CON		Tim_003777, Tim_003323, Tim_001337, Tim_000304, Tim_003300, Tim_003721,
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GOTERM_BP_ALL	locomotion	27	NM_003777, NM_003329, NM_001557, NM_000584, NM_005560, NM_005721,
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COTEDNA DD ALL	la constant habatian		NM_002029, NM_006489, NM_002983, NM_002524, NM_006788, NM_001005377,
IGOTERM_BP_ALL	locomotory behavior	11	NM_002984, NM_207007, NM_001511, NM_001557, NM_000584, NM_000211,

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GOTERM_BP_ALL	macromolecule biosynthesis	105	NM_000990, NM_001020, NM_000291, NM_006013, NM_030919, NM_001967,
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COTEDNA DD ALL		250	NM_000986, NM_001025204, NM_000980, NM_006384, NM_001641, NM_005620,
GOTEKINI_BP_ALL	macromolecule metabolism	259	NM_014370, XM_495839, NM_005566, NM_002800, NM_005801, NM_152269,

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GOTERM_MF_ALL	magnesium ion binding	18	NM_001664, NM_002512, NM_006282, NM_005923, NM_000702, NM_001114,
			NM_022087, NM_005932, NM_199040, NM_002710, NM_144641, NM_000636,
GOTERM_MF_ALL	manganese ion binding	6	NM_001024466,
			NM_015675, NM_002029, NM_033141, NM_212492, NM_032246, NM_005923,
GOTERM_BP_ALL	MAPKKK cascade	8	NM_015133, NM_005456,
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GOTERM_CC_ALL	membrane fraction	34	NM_006457, NM_004227, NM_003761, NM_001002258,
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			NM_005381, NM_022130, NM_000532, NM_003168, NM_031212, NM_005324,
GOTERM_CC_ALL	membrane-bound organelle	281	NM_003761, NM_001025204, NM_006423, NM_001641, NM_023067, NM_015256, NNI_005335, NNI_001432, NNI_003487, NNI_001101, NNI_001614, NNI_001436,
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GOTERM CC ALL	membrane-enclosed lumen	29	NM 001025204,

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GOTERM_BP_ALL	metabolism	390	NM_005617, NM_002953, NM_002556, NM_016406, NM_181652, NM_004267,
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GOTERM ME ALL	metal ion binding	151	NM_001664, NM_003407, NM_000238, NM_022118, NM_015457, NM_003168,

			NM_014861, NM_023035, NM_000352, NM_001014797, NM_152868, NM_178867,
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			NM_032591, NM_000238, NM_005714, NM_015353, NM_032513, NM_005072,
GOTERM_BP_ALL	metal ion transport	20	NM_000146, NM_000702,
			NM_002491, NM_021074, NM_004549, NM_014861, NM_032591, NM_002489,
GOTERM_MF_ALL	metal ion transporter activity	8	NM_004541, NM_000352,
GOTERM_CC_ALL	microbody	5	NM_016518, NM_000288, NM_015256, NM_181652, NM_207127,
			NM_006082, NM_022822, NM_020238, NM_006088, NM_007317, NM_004607,
GOTERM_CC_ALL	microtubule	11	NM_003777, NM_006009, NM_001037494, NM_004434, NM_003388,
		_	NM_004074, NM_004549, NM_006294, NM_004255, NM_014402, NM_001863,
GOTERM_CC_ALL	mitochondrial electron transport chain	7	NM_001865, NM_004074, NM_004549, NM_178526, NM_015256, NM_001636, NM_006294,
			NM 001002031, NM 004255, NM 014402, NM 002635, NM 001686, NM 001863,
			NM_021960, NM_001865, NM_021074, NM_001001937, NM_001685, NM_031212,
COTEDNA CC ALL	mitochondrial envelope	20	NM 001001977, NM 001002258,
GOTERIVI_CC_ALL	Піпоспонана епуеторе	20	NM 004549, NM 004074, NM 178526, NM 001636, NM 006294, NM 001002031,
			NM_014402, NM_004255, NM_002635, NM_001686, NM_001863, NM_001865,
			NM 021074, NM 001001937, NM 001685, NM 031212, NM 001001977,
GOTERM CC ALL	mitochondrial inner membrane	18	NM 001002258,
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			NM_001002031, NM_004255, NM_014402, NM_002635, NM_001686, NM_001863,
			NM_021960, NM_001865, NM_021074, NM_001001937, NM_001685, NM_031212,
GOTERM_CC_ALL	mitochondrial membrane	20	NM_001001977, NM_001002258,
			NM_178526, NM_006476, NM_004255, NM_001686, NM_001863, NM_024996,
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GOTERM_CC_ALL	Imitochondrion	49	NM 006013, NM 001002258, NM 019059,
GOTEINIVI_CC_ALL	micochonunum	43	MAI_000015, MM_001002250, MMI_015055,

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			NM_006945, NM_016399, NM_032012, NM_006010, NM_021029, NM_016226,
GOTERM_MF_ALL	molecular function unknown	39	NM_003295, NM_025241, NM_170770, NM_004069, NM_018434,
COTEDNA DD ALL	us a us a sa a sh a ui d a sa ta h a li ans	_	NINA 0007FF NINA 0002CF NINA 000204 NINA 00204C NINA 404044 NINA 00FFCC
GOTERNI_BP_ALL	monosaccharide catabolism	6	NM_006755, NM_000365, NM_000291, NM_002046, NM_184041, NM_005566, NM_014861, NM_006476, NM_001014797, NM_001002031, NM_001686,
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			NM_001426, NM_032591, NM_004174, NM_000238, NM_001001937, NM_005714,
GOTERM BP ALL	monovalent inorganic cation transport		NM 015353, NM 001002258,
GOTERNAL DI LA LE	monovarent morganic cattern transport		
			NM_004549, NM_004074, NM_006476, NM_006294, NM_001002031, NM_004255,
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			NM_006356, NM_014402, NM_021074, NM_004174, NM_032591, NM_001001937,
GOTERM_MF_ALL	monovalent inorganic cation transporter activity	27	NM_002489, NM_004541, NM_001002258,
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COTEDNA DD ALL			NM_001426, NM_003260, NM_020244, NM_002524, NM_020530, NM_006357,
GOTERM_BP_ALL	morphogenesis	34	NM_005437, NM_006457, NM_000584, NM_022117, NM_005245, NM_005560, NM_001039465, NM_030979, NM_018282, NM_005131, NM_014884, NM_004593,
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GOTERM RP ALL	mRNA metabolism		NM 001025204,
GOTERINI_DI_ALL	Thirty Checubolish	10	NM 001039465, NM 018282, NM 005131, NM 014884, NM 004593, NM 002568,
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GOTERM BP ALL	mRNA processing		NM 001007229, NM 001025204,
			NM_000238, NM_153649, NM_184041, NM_004643, NM_021019, NM_079423,
GOTERM_BP_ALL	muscle contraction		NM_001014797, NM_000256, NM_033546,
			NM_003564, NM_002969, NM_012238, NM_021019, NM_079423, NM_003333,

GOTERM_MF_ALL	NADH dehydrogenase (quinone) activity	5	NM_002491, NM_021074, NM_004549, NM_002489, NM_004541,
GOTERM_MF_ALL	NADH dehydrogenase (ubiquinone) activity	5	NM_002491, NM_021074, NM_004549, NM_002489, NM_004541,
GOTERM_MF_ALL	NADH dehydrogenase activity	5	NM_002491, NM_021074, NM_004549, NM_002489, NM_004541,
			NM_007308, NM_005507, NM_000312, NM_004323, NM_005345, NM_000700,
GOTERM_BP_ALL	negative regulation of apoptosis	11	NM_003295, NM_003897, NM_004333, NM_005347, NM_021960,
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GOTERM_BP_ALL	negative regulation of biological process	52	NM_022117,
			NM_003641, NM_000424, NM_002272, NM_005620, NM_005938, NM_001511,
			NM_205840, NM_002032, NM_001623, NM_004847, NM_000576, NM_001800,
GOTERM_BP_ALL	negative regulation of cell proliferation	14	NM_020530, NM_002512, NM_000584, NM_006763,
			NM_014517, NM_015094, NM_005620, NM_003169, NM_012238, NM_153232,
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GOTERM_BP_ALL	negative regulation of cellular metabolism	13	NM_012235, NM_005474,
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			NM 004333, NM 003169, NM 006135, NM 019001, NM 006497, NM 005345,
			NM_138632, NM_003295, NM_000576, NM_020530, NM_000584, NM_022117,
COTEDM DD ALL	nogative regulation of collular physiological process	47	NM 006763, NM 012482,
GOTEKIVI_BP_ALL	negative regulation of cellular physiological process	4/	NIVI_UU0703,

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GOTERM_BP_ALL	negative regulation of cellular process	49	NM_020530, NM_000584, NM_002923, NM_022117,
			NM_014517, NM_015094, NM_005620, NM_006135, NM_003169, NM_012238,
			NM_016311, NM_178190, NM_138632, NM_153232, NM_015906, NM_003927,
GOTERM_BP_ALL	negative regulation of metabolism	15	NM_022117, NM_012482, NM_012235, NM_005474,
			NM_012238, NM_016311, NM_178190, NM_153232, NM_015906, NM_015094,
	negative regulation of nucleobase, nucleoside,		NM_014517, NM_005620, NM_003169, NM_003927, NM_022117, NM_012482,
GOTERM_BP_ALL	nucleotide and nucleic acid metabolism	12	NM_005474,
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GOTERM BP ALL	negative regulation of physiological process	48	NM 022117, NM 006763, NM 012482,
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			NM_007308, NM_005507, NM_000312, NM_004323, NM_005345, NM_000700,
GOTERM BP ALL	negative regulation of programmed cell death	11	NM_003295, NM_003897, NM_004333, NM_005347, NM_021960,
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			NM_002512, NM_012090, NM_005938, NM_014781, NM_000584, NM_019001,
GOTERM_BP_ALL	negative regulation of progression through cell cycle	12	NM_022117,
			NM_012238, NM_153232, NM_015906, NM_015094, NM_014517, NM_003169,
GOTERM_BP_ALL	negative regulation of transcription	9	NM_003927, NM_012482, NM_005474,

NIM 007209 NIM 022409 NIM 005624 NIM 044270 N	
NM_007308, NM_032108, NM_005634, NM_014279, N	IM_002585, NM_006617, IM_003987, NM_004114,
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GOTERM_CC_ALL non-membrane-bound organelle 165 NM_015414, NM_032188, NM_006646, XM_293312, N	IM_001614, NM_001436, 88, NM_001033853, IM_001261, NM_003169,
GOTERM_CC_ALL nuclear lumen 25 NM_022117, NM_012482, NM_001025204,	
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GOTERM_BP_ALL nuclear transport 7 NM_000978,	

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GOTERM MF ALL	nucleic acid binding	163	NM 015906, NM 001964, NM 033267, NM 000973, NM 024016, NM 005484,
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GOTERM_BP_ALL	nucleocytoplasmic transport	8	NM_005131, NM_000978,
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			NM_012238, NM_002486, NM_015859, NM_002136, NM_018171, NM_012482,
GOTERM_CC_ALL	nucleoplasm	19	NM_001025204, NM_005474, NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
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GOTERIVI_BP_ALL	nucleoside triphosphate biosynthesis	13	NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
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GOTERM BP ALL	nucleoside triphosphate metabolism	13	NM_001001977, NM_001002258,
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GOTERM ME ALL	nucleoside-triphosphatase activity		NM_001002258, NM_001967, NM_183235,
GOTERINI_IVII_ALL	nacicosiae arphosphatase activity	30	1441_001002230, 14141_001307, 14141_103233,

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GOTERM_MF_ALL nucleotide binding	106 NM_014496,	
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	NM_001693, NM_001694, NM_001001937, NM_002512, NM_001685,	J60,
GOTERM BP ALL nucleotide biosynthesis	16 NM 001001977, NM 003987, NM 001002518, NM 0011114, NM 012393,	
GOTERNI_BF_ALL Induled tide biosynthesis	NM_007100, NM_005746, NM_006755, NM_000365, NM_006476, NM_199040	,—
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GOTERM_BP_ALL nucleotide metabolism	20 NM_005589, NM_001002258, NM_001114, NM_012393,	
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GOTERM MF ALL obsolete molecular function	29 NM_000576, NM_001001937, NM_021130, NM_000801, NM_001002258,	. 21,
SOTERIAL MILE POSSICLE MOICEARD TURCHOT	25 1444_000570, 14141_001001557, 14141_021150, 14141_000001, 14141_001002250,	
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GOTERM_BP_ALL organ development	28 NM_079423, NM_005437, NM_006457, NM_000584, NM_005560,	

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GOTERM_BP_ALL	organ morphogenesis	12	NM_006457, NM_004333, NM_005437, NM_000584, NM_181870, NM_005560,
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GOTERM_CC_ALL	organelle	408	NM_006357, NM_015859, NM_020649, XM_371853, NM_031844, NM_022822,
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GOTERM CC ALL	organelle envelope		NM 001685, NM 031212, NM 001001977, NM 003624, NM 001002258,
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GOTERM_CC_ALL	organelle inner membrane	18	NM_001002258,
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GOTERM CC ALL	organelle lumen		NM 001025204,
GOTENIA CC ALL	organiciic iunien	23	14141_001020207,

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GOTERM CC ALL	organelle membrane	29	NM_001001937, NM_003896, NM_004069, NM_031212, NM_001002258,
GOTERNA_CC_ACE	organicite memorane	23	
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GOTERM_BP_ALL	organelle organization and biogenesis	50	NM_003777, NM_022117, NM_020649, NM_005560,
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GOTERM_BP_ALL	oxidative phosphorylation	19	NM_001001977, NM_001002258,
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GOTERM ME ALL	oxidoreductase activity	33	NM_021074, NM_002489, NM_004541, NM_144683, NM_003329,
GOTERINI_IVII_ALL	oxidoreductase activity oxidoreductase activity, acting on heme group of	- 33	
GOTERM MF ALL	I .	5	NM_004074, NM_004374, NM_004255, NM_001863, NM_001865,
	oxidoreductase activity, acting on heme group of		_ , ,,,
GOTERM MF ALL	donors, oxygen as acceptor	5	NM 004074, NM 004374, NM 004255, NM 001863, NM 001865,
GOTERM_MF_ALL	oxidoreductase activity, acting on NADH or NADPH	5	NM_002491, NM_021074, NM_004549, NM_002489, NM_004541,
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	oxidoreductase activity, acting on NADH or NADPH,		
GOTERM_MF_ALL	quinone or similar compound as acceptor	5	NM_002491, NM_021074, NM_004549, NM_002489, NM_004541,
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GOTERM_MF_ALL	peptide binding	9	NM_001557, NM_002013, NM_002959,

GOTERM_CC_ALL	peroxisome	5	NM_016518, NM_000288, NM_015256, NM_181652, NM_207127,
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GOTERM BP ALL	phosphate metabolism		NM_017771, NM_001002258, NM_014496,
GOTERNIA DI TARE	priospriate metabolism	31	NM_006254, NM_000700, NM_001002857, NM_013416, NM_002567, NM_017771,
GOTERM MF ALL	phospholipid binding	8	NM 004227, NM 007184,
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GOTERM BP ALL	phosphorus metabolism	51	NM_017771, NM_001002258, NM_014496,
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GOTERM BP ALL	phosphorylation		NM 017771, NM 001002258, NM 014496, NM 212472,

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GOTERM_BP_ALL physiological process	549	NM_006497, NM_194252, NM_001664, NM_005267, NM_000532, NM_003761,
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GOTERM_BP_ALL positive regulation of biological process		NM_006088, NM_000801, NM_003168, NM_005437,
		NM_003900, NM_001675, NM_017900, NM_005121, NM_032246, NM_003169,
GOTERM_BP_ALL positive regulation of cellular metabolism	10	NM_003168, NM_005437, NM_003333, NM_012235,
		NINA 002024 NINA 002000 NINA 002040 NINA 005745 NINA 004675 NINA 047000
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		NM_032246, NM_015322, NM_173176, NM_003169, NM_003718, NM_003333,
GOTERM_BP_ALL positive regulation of cellular physiological process		NM_001664, NM_005121, NM_006088, NM_001665, NM_181335, NM_005437, NM_003168, NM_006282, NM_005923, NM_012235, NM_003790,
GOTEMVI_DF_ALL [positive regulation of cellular physiological process	23	
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		NM_003824, NM_016479, NM_001675, NM_003169, NM_003333, NM_001664,
GOTERM_BP_ALL positive regulation of cellular process	28	NM_006088, NM_000801, NM_003168, NM_005437,

GOTERM_BP_ALL positive regulation of enzyme activity positive regulation of l-kappaB kinase/NF-kappaB (acscade NM_002468, NM_003824, NM_003824, NM_003810, NM_016479, NM_001664, NM_003900, NM_001675, NM_001001483, NM_003900, NM_001675, NM_007355, NM_003333, NM_012235, NM_003900, NM_001675, NM_001675, NM_003169, NM_003168, NM_003900, NM_001675, NM_001675, NM_003169, NM_003168, NM_003900, NM_001675, NM_001675, NM_003169, NM_003168, NM_003900, NM_001675, NM_003169, NM_003168, NM_003900, NM_001675, NM_003333, NM_012235, NM_003824, NM_003333, NM_012235, NM_003824, NM_003824, NM_003810, NM_005746, NM_001675, NM_017900, NM_032246, NM_003824, NM_003900, NM_003810, NM_003169, NM_003738, NM_003333, NM_012235, NM_003824, NM_003900, NM_003810, NM_003169, NM_003738, NM_003333, NM_012355, NM_001664, NM_003169, NM_003169, NM_003333, NM_007355, NM_001664, NM_005121, NM_006088, NM_001665, NM_181335, NM_007355, NM_0073552, NM_0073552, NM_00
positive regulation of I-kappaB kinase/NF-kappaB
GOTERM_BP_ALL cascade 8 NM_000801, NM_001001483, MM_003900, NM_001675, NM_017900, NM_005121, NM_032246, NM_003169, 11 NM_003168, NM_005437, NM_007355, NM_003333, NM_012235, MM_003900, NM_001675, NM_005121, NM_032246, NM_032235, MM_003824, NM_03824, NM_03810, NM_03810, NM_03746, NM_03718, NM_03333, NM_032246, NM_015322, NM_173176, NM_03169, NM_03333,
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GOTERM_BP_ALL positive regulation of metabolism positive regulation of nucleobase, nucleoside, positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism positive regulation of nucleobase, nucleoside, nucleotide and nucleic acid metabolism positive regulation of nucleobase, nucleoside, nucleoside, nucleotide and nucleic acid metabolism positive regulation of nucleobase, nucleoside, nucleoside, nucleotide and nucleic acid metabolism positive regulation of nucleobase, nucleoside, nucleoside, nucleotide and nucleic acid metabolism positive regulation of nucleobase, nucleoside, nucleoside, nucleotide and nucleic acid metabolism positive regulation of nucleobase, nucleoside, nucleoside, nucleotide and nucleic acid metabolism positive regulation of nucleobase, nucleoside, nucleoside, nucleotide and nucleic acid metabolism positive regulation of nucleobase, nucleoside, nucleoside
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GOTERM_BP_ALL positive regulation of physiological process
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GOTERM_BP_ALL positive regulation of transcription 9 NM_005437, NM_003333, NM_012235,
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GOTERM_BP_ALL positive regulation of transferase activity 5 NM_015675, NM_002029, NM_033141, NM_014550, NM_005923,
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GOTERM_MF_ALL potassium ion binding 9 NM_000702, NM_004976, NM_004519,
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NM_001686, NM_001694, NM_001001937, NM_001685,
GOTERM MF ALL P-P-bond-hydrolysis-driven transporter activity 14 NM 001001977, NM 001002258, NM 000702,
14 NIV _001001377, NIV _001002230, NIV _000702,
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GOTERM_MF_ALL primary active transporter activity 26 NM_004541, NM_001002258,

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GOTERM_BP_ALL	primary metabolism	357	NM_207395, NM_001012321, NM_001686, NM_015335, NM_015414, NM_025264,
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GOTERM BP ALL	programmed cell death	32	NM 006088, NM 018434,
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GOTERM_MF_ALL	protease inhibitor activity	10	NM_002567, NM_002638, NM_001002235, NM_005213,
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GOTERM_CC_ALL	proteasome complex (sensu Eukaryota)	7	NM_006263,

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GOTERM_BP_ALL protein biosynthesis	100 NM_001967,

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GOTERM CC ALL	protoin compley	102	NM 003777, NM 031266, NM 001025, NM 001002258, NM 000976, NM 001014,
GOTERIVI_CC_ALL	protein complex	192	NM_032452, NM_001039465, NM_173176, NM_004781, NM_006135, NM_003245,
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GOTERM BP ALL	protein complex assembly	15	NM 022117, NM 005324, NM 001013699,
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GOTERM_MF_ALL	protein dimerization activity	13	NM_005194, NM_006282,
GOTERM_MF_ALL	protein domain specific binding	5	NM_003900, NM_002835, NM_003406, NM_005206, NM_007355,
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GOTERM_MF_ALL	protein kinase binding	9	NM_015133, NM_000211, NM_005456,
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			NM 001664, NM 020529, NM 014550, NM 000801, NM 006282, NM 005923,
GOTERM RD ALL	protein kinase cascade	21	NM 001001483, NM 015133, NM 005456,
GOTEINIVI_DF_ALL	protein alliase cascade		NM_002747, NM_003576, NM_002969, NM_013233, NM_001261, NM_014370,
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GOTERM MF ALL	protein kinase CK2 activity	13	NM 212472,
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GOTERM_BP_ALL protein localization	29 NM_031431, NM_021168, NM_003624, NM_183235, NM_019059, NM_006822, NNIN_002799, NNIN_003376, NNIN_001023, NNIN_0032246, NNIN_000399, NNIN_194406,
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GOTERM BP ALL protein metabolism	203 NM_014496, XM_371853, NM_032452, NM_173176, XM_927103, NM_001404,
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GOTERM_BP_ALL protein polymerization	6 NM_152862,
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GOTERM_MF_ALL protein serine/threonine kinase activity	22 NM_006282, NM_005923, NM_014496, NM_212472,
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GOTERM_BP_ALL protein transport	28 NM_021168, NM_003624, NM_183235, NM_019059, NM_006822,

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GOTERM BP ALL	proton transport	13	NM_001002258, NM_000702,
			NM_007100, NM_001001937, NM_006476, NM_001002031, NM_006356,
GOTERM CC ALL	proton-transporting ATP synthase complex	9	NM_001685, NM_001001977, NM_001686, NM_001002258,
	proton-transporting ATP synthase complex (sensu		
GOTERM_CC_ALL	Eukaryota)	5	NM_001001937, NM_001002031, NM_001001977, NM_001686, NM_001002258,
	proton-transporting ATP synthase complex, coupling		NM_007100, NM_006476, NM_001002031, NM_006356, NM_001685,
GOTERM_CC_ALL	factor F(o)	6	NM_001002258,
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GOTERM_CC_ALL	proton-transporting two-sector ATPase complex	11	NM_001693,
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GOTERM_BP_ALL	purine nucleoside triphosphate biosynthesis	13	NM_001001977, NM_001002258,
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GOTERM_BP_ALL	purine nucleoside triphosphate metabolism	13	NM_001001977, NM_001002258,
			NM_031844, NM_003576, NM_021205, NM_033141, NM_198829, NM_006082, NM_001024226, NM_173176, NM_005347, NM_001686, NM_001005273, NM_024996, NM_032409, NM_002953, NM_001031677, NM_006270, NM_002567, NM_001017998, NM_001665, NM_007317, NM_006282, NM_003987, NM_002872, NM_025150, NM_201533, NM_012393, NM_002969, NM_006597, NM_153292, NM_013233, NM_001261, NM_138813, NM_001357, NM_001664, NM_006254, NM_001001937, NM_002524, NM_001068, NM_012334, NM_021168, NM_005721, NM_212472, NM_002747, NM_014861, NM_139062, NM_148977, NM_001101, NM_001614, NM_007285, NM_024045, NM_014370, NM_003718, NM_003245, NM_001693, NM_001662, NM_024045, NM_014370, NM_003718, NM_005923, NM_006009, NM_000702, NM_004566, NM_175571, NM_000352, NM_005044, NM_004333, NM_015076, NM_001271, NM_001402, NM_007355, NM_002314, NM_000291, NM_005345, NM_021033, NM_138769, NM_006088, NM_017771,
GOTERM_MF_ALL	purine nucleotide binding	82	NM_003777, NM_030919, NM_001967, NM_183235, NM_014496, NM_006822,
_			NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
			NM_001694, NM_001001937, NM_002512, NM_001685, NM_001001977,
GOTERM_BP_ALL	purine nucleotide biosynthesis	14	NM_003987, NM_001002258, NM_012393,
			NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
			NM_001694, NM_001001937, NM_002512, NM_001685, NM_001001977,
GOTERM_BP_ALL	purine nucleotide metabolism	14	NM_003987, NM_001002258, NM_012393,

			NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
			NM_001694, NM_001001937, NM_002512, NM_001685, NM_003987,
GOTERM_BP_ALL	purine ribonucleoside triphosphate biosynthesis	13	NM_001001977, NM_001002258,
			NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
			NM_001694, NM_001001937, NM_002512, NM_001685, NM_003987,
GOTERM_BP_ALL	purine ribonucleoside triphosphate metabolism	13	NM_001001977, NM_001002258,
			NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
			NM_001694, NM_001001937, NM_002512, NM_001685, NM_001001977,
GOTERM_BP_ALL	purine ribonucleotide biosynthesis	14	NM_003987, NM_001002258, NM_012393, NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
COTEDNA DD ALL		1.4	NM_001694, NM_001001937, NM_002512, NM_001685, NM_001001977,
GOTERM_BP_ALL	purine ribonucleotide metabolism	14	NM_003987, NM_001002258, NM_012393,
			NM_014861, NM_006082, NM_198829, NM_001024226, NM_006476, NM_024045,
			NM_001002031, NM_001686, NM_001005273, NM_003245, NM_001693,
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			NM_001357, NM_001664, NM_001001937, NM_002524, NM_021033, NM_006088,
GOTERM_MF_ALL	pyrophosphatase activity	39	NM_003777, NM_001002258, NM_001967, NM_183235,
			NM 003810, NM 005746, NM 001010850, NM 000700, NM 015322, NM 007285,
			NM_001511, NM_004926, NM_032836, NM_057091, NM_002983, NM_005121,
			NM 001405, NM 002984, NM 207007, NM 006098, NM 002162, NM 006312,
			NM 173842, NM 002468, NM 003824, NM 020548, NM 004877, NM 001005611,
			NM 004114, NM 005745, NM 002341, NM 000576, NM 020530, NM 003378,
GOTERM_MF_ALL	recentor hinding	24	NM 006088, NM 005437, NM 000584, NM 005560, NM 002964,
GOTERIVI_IVIF_ALL	receptor binding	34	NM_007308, NM_003810, NM_003824, NM_005507, NM_004323, NM_000700,
			NM_003897, NM_015322, NM_004333, NM_005347, NM_021960, NM_000312,
			NM 005345, NM 014550, NM 003295, NM 006088, NM 006282, NM 005923,
GOTERM BP ALL	regulation of apoptosis	19	NM 003790,

	NM_173176, NM_017420, NM_003108, NM_000044, NM_001511, NM_005347,
	NM_005487, NM_018429, NM_001005273, NM_000636, NM_001024466,
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	NM_152414, NM_021167, NM_003987, NM_005474, NM_000985, NM_000424,
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	NM_015133, NM_012482, NM_212472, NM_007308, NM_001037637, NM_005335,
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	NM_021960, NM_002585, NM_003113, NM_020529, NM_005121, NM_002823,
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	NM_020530, NM_006088, NM_000801, NM_005437, NM_022117, NM_005456,
	NM_018942, NM_003810, NM_005746, NM_013286, NM_017900, NM_033141,
	NM_212492, NM_002432, NM_198829, NM_020183, NM_000700, NM_001175,
	NM_207395, NM_001012321, NM_025264, NM_015335, NM_205840, NM_032188,
GOTERM_BP_ALL regulation of biological process	182 NM 002568, NM 002968, NM 006058, NM 000970, NM 001024662, NM 003753,
regulation of biological process	NM_002568, NM_003753, NM_001012321, NM_001967, NM_001402, NM_005801,
GOTERM_BP_ALL regulation of biosynthesis	8 NM 007355, NM 012235,
	NM_014781, NM_005938, NM_001261, NM_003718, NM_019001, NM_006497,
	NM_001623, NM_004847, NM_000576, NM_002524, NM_001800, NM_019084,
	NM_001665, NM_002512, NM_002823, NM_005072, NM_000584, NM_022117,
GOTERM_BP_ALL regulation of cell cycle	24 NM_005474,
	NA 000424 NA 002272 NA 002644 NA 007745 NA 472475 NA 027522
	NM_000424, NM_002272, NM_003641, NM_005746, NM_173176, NM_005620,
	NM_005938, NM_001511, NM_003718, NM_205840, NM_002032, NM_001623,
	NM_004847, NM_153232, NM_000576, NM_001800, NM_020530, NM_001665,
GOTERM_BP_ALL regulation of cell proliferation	19 NM_002512, NM_000584, NM_006763,

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			NM_001005611, NM_003897, NM_014292, NM_006135, NM_003169, NM_003453,
GOTERM_BP_ALL	regulation of cellular physiological process	153	NM_003333, NM_005731, NM_152862, NM_003260, NM_006497, NM_001664,
			NM_173176, NM_017420, NM_003108, NM_000044, NM_001511, NM_005347,
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			NM_014550, NM_015906, NM_001665, NM_001964, NM_006282, NM_033267,
COTEDM DD ALL	regulation of cellular process	163	NM_024016, NM_002468, NM_001005611, NM_003897, NM_014292, NM_003169,

NM_00547, NM_014550, NM_001800, NM_001944, NM_005923, NM_022117,				NM_006076, NM_002029, NM_015675, NM_212492, NM_033141, NM_032246,
GOTERM_BP_ALL regulation of enzyme activity 31 NM 001114, NM_002468, NM_003804, NM_003900, NM_000985, NM_003810, NM_016479, 9 NM_001664, NM_000801, NM_001001483, GOTERM_BP_ALL regulation of I-kappaB kinase/NF-kappaB cascade 80 NM_015675, NM_002029, NM_03141, NM_212492, NM_014550, NM_032246, 9 NM_001800, NM_005920, NM_003141, NM_212492, NM_014550, NM_032246, 9 NM_001800, NM_005920, NM_022117, NM_013175, NM_0174210, NM_003108, NM_0000044, NM_001511, NM_005347, NM_005487, NM_018429, NM_010105273, NM_000636, NM_001024466, NM_002032, NM_133649, NM_016311, NM_178190, NM_002727, NM_004847, NM_002198, NM_181335, NM_005072, NM_00397, NM_002771, NM_004847, NM_001998, NM_181335, NM_005072, NM_00397, NM_002771, NM_004847, NM_00137637, NM_003897, NM_004547, NM_001264, NM_002730, NM_003295, NM_0101804, NM_032251, NM_01452, NM_001264, NM_001261, NM_006635, NM_003295, NM_0101804, NM_003830, NM_005464, NM_001264, NM_00389, NM_00103770, NM_003370, NM_005386, NM_001960, NM_005466, NM_003790, NM_005341, NM_001803, NM_006843, NM_001963, NM_005413, NM_000576, NM_005360, NM_006843, NM_001960, NM_001804, NM_000576, NM_005360, NM_00166088, NM_001960, NM_001804, NM_003810, NM_0007960, NM_017900, NM_017900, NM_0018282, NM_003810, NM_0007960, NM_017900, NM_001804, NM_003282, NM_0033267, NM_003188, NM_0007960, NM_017900, NM_001804, NM_003284, NM_0033267, NM_003180, NM_003397, NM_001398, NM_001960, NM_006838, NM_0033267, NM_003180, NM_003397, NM_001398, NM_003199, NM_006838, NM_0033267, NM_003180, NM_003397, NM_001398, NM_003199, NM_001990, NM_005326, NM_0033267, NM_				
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GOTERM_BP_ALL regulation of kinase activity 9 NM_ 001800, NM_ 005923, NM_ 002117, NM_ 001801, NM_ 000044, NM_ 001511, NM_ 005347, NM_ 000339, NM_ 0000339, NM_ 0000339, NM_ 0000339, NM_ 00000339, NM_ 0000339, NM_ 0000339, NM_ 0000339, NM_ 0000339, NM_ 0000032, NM_ 000034, NM_ 000044, NM_ 001603, NM_ 0004466, NM_ 0002032, NM_ 153649, NM_ 016311, NM_ 178190, NM_ 001623, NM_ 004847, NM_ 201998, NM_ 181335, NM_ 005072, NM_ 003297, NM_ 002271, NM_ 152414, NM_ 021167, NM_ 003987, NM_ 0003427, NM_ 0002272, NM_ 004323, NM_ 0002699, NM_ 01714, NM_ 017147, NM_ 019940, NM_ 001261, NM_ 00635, NM_ 001369, NM_ 01036737, NM_ 0003395, NM_ 010482, NM_ 001035737, NM_ 0013335, NM_ 0014132, NM_ 002146, NM_ 018282, NM_ 001003577, NM_ 014781, NM_ 023286, NM_ 012960, NM_ 0016258, NM_ 00130351, NM_ 0003343, NM_ 0003335, NM_ 001402, NM_ 003428, NM_ 00003343, NM_ 0003343, NM_ 0003343, NM_ 0003432, NM_ 0003428, NM_ 0003453, NM_ 0003454, NM_ 0003453, NM_ 0	GOTERM_BP_ALL	regulation of I-kappaB kinase/NF-kappaB cascade	9	NM_001664, NM_000801, NM_001001483,
NM_00335, NM_01340, NM_003108, NM_000636, NM_001024466, NM_000311, NM_01335, NM_00636, NM_001024466, NM_002032, NM_153649, NM_016311, NM_178190, NM_01623, NM_004847, NM_021998, NM_153649, NM_016311, NM_178190, NM_01623, NM_004847, NM_021998, NM_018315, NM_005072, NM_003927, NM_002971, NM_004323, NM_002167, NM_002972, NM_004323, NM_003987, NM_00397, NM_002971, NM_004323, NM_003295, NM_0016374, NM_015174, NM_015174, NM_015174, NM_001625, NM_001665, NM_0003295, NM_00137637, NM_003375, NM_001375, NM_001445, NM_001446, NM_0018282, NM_00103577, NM_014781, NM_003335, NM_001462, NM_005385, NM_003113, NM_005347, NM_005341, NM_003431, NM_003431, NM_003431, NM_000546, NM_006388, NM_003432, NM_003433, NM_				NM_015675, NM_002029, NM_033141, NM_212492, NM_014550, NM_032246,
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MM_001623, NM_004847, NM_000576, NM_002524, NM_001800, NM_019084, NM_001665, NM_002512, NM_002823, NM_005072, NM_000584, NM_022117, GOTERM_BP_ALL regulation of progression through cell cycle 24 NM_005474, NM_002568, NM_003753, NM_001012321, NM_001967, NM_001402, NM_005801, GOTERM_BP_ALL regulation of protein biosynthesis 7 NM_012235,				
GOTERM_BP_ALL regulation of progression through cell cycle 24 NM_002512, NM_002823, NM_005072, NM_000584, NM_022117, GOTERM_BP_ALL regulation of protein biosynthesis NM_002568, NM_003753, NM_001012321, NM_001967, NM_001402, NM_005801, GOTERM_BP_ALL regulation of protein biosynthesis 7 NM_012235,				
GOTERM_BP_ALL regulation of progression through cell cycle 24 NM_005474, NM_002568, NM_003753, NM_001012321, NM_001967, NM_001402, NM_005801, GOTERM_BP_ALL regulation of protein biosynthesis 7 NM_012235,				
NM_002568, NM_003753, NM_001012321, NM_001967, NM_001402, NM_005801,	COTEDM DD ALL	regulation of progression through cell sucle	24	
GOTERM_BP_ALL regulation of protein biosynthesis 7 NM_012235,	GOTERIVI_BP_ALL	regulation of progression through cell cycle	24	_ ′
	GOTERM RP ALL	regulation of protein biosynthesis	7	
[GOTERNAL DI _ALL	regulation of protein biosynthesis	 	
GOTERM BP ALL regulation of protein kinase activity 9 NM 001800, NM 005923, NM 022117,	GOTERM BP ALL	regulation of protein kinase activity	9	

			NM_017900, NM_001005377, NM_006135, NM_001012321, NM_005801,
			NM_000211, NM_001402, NM_005731, NM_152862, NM_002568, NM_003753,
GOTERM_BP_ALL	regulation of protein metabolism	13	NM_138632, NM_001967, NM_012235,
			NM_002468, NM_003810, NM_000985, NM_003900, NM_003824, NM_016479,
			NM_198829, NM_001664, NM_153232, NM_000801, NM_001001483, NM_002923,
GOTERM_BP_ALL	regulation of signal transduction	15	NM_022117, NM_015133, NM_005456,
			NM_003900, NM_002229, NM_001675, NM_020183, NM_005206, NM_014517,
	regulation of transcription from RNA polymerase II		NM_003169, NM_001271, NM_001005273, NM_021005, NM_005252, NM_000636,
COTEDM DD ALL	promoter	16	NM_001024466, NM_002585, NM_005121, NM_012482, NM_212472,
GOTERM_BP_ALL		10	NM_015675, NM_002029, NM_033141, NM_212492, NM_014550, NM_032246,
COTERM RD ALL	regulation of transferase activity	۵	NM_001800, NM_005923, NM_022117,
GOTERINI_BF_ALL	l egulation of transferase activity	9	NIVI_001800, NIVI_003923, NIVI_022117,
GOTERM BP ALL	regulation of translation	6	NM_002568, NM_003753, NM_001012321, NM_001967, NM_001402, NM_005801,
	regulation of transport		NM 001664, NM 020529, NM 198829, NM 199040, NM 004069,
			NM_001007553, NM_001005377, NM_001511, NM_016190, NM_000636,
			NM_001024466, NM_000200, NM_006096, NM_152879, NM_002983, NM_020956,
			NM_006788, NM_002984, NM_207007, NM_181652, NM_002029, NM_006597,
			NM_021200, NM_000581, NM_201397, NM_003169, NM_007355, NM_000211,
			NM_000843, NM_001280, NM_005345, NM_002524, NM_002691, NM_000160,
GOTERM_BP_ALL	response to abiotic stimulus	28	NM_001557, NM_000584,
			NM_003810, NM_006332, NM_001010850, NM_002432, NM_000700, NM_004559,
			NM_001175, NM_001511, NM_004048, NM_000636, NM_001024466, NM_205840,
			NM_000628, NM_002032, NM_006058, NM_001623, NM_004847, NM_002984,
			NM_207007, NM_181652, NM_004633, NM_004267, NM_005474, NM_173842,
			NM_002468, NM_002029, NM_004107, NM_153292, NM_001005611, NM_013416,
			NM_006263, NM_016219, NM_005516, NM_005267, NM_013230, NM_001002235,
			NM_002964, NM_003900, NM_002800, NM_005252, NM_000200, NM_000312,
			NM_152879, NM_000433, NM_020529, NM_002983, NM_005194, NM_003790,
			NM_003824, NM_003641, NM_002965, XM_084845, NM_005745, NM_194447,
			NM_003324, NM_000211, NM_016389, NM_005849, NM_001085, NM_002341,
COTEDM DD ALL	response to biotic stimulus	63	
GOTERIVI_BP_ALL	ויפאטוואפ נט אוטנוג אנווועועא	62	NM_000576, NM_020530, NM_018643, NM_001557, NM_000584,
			NM_002029, NM_006597, NM_001007553, NM_000581, NM_201397,
			NM_001005377, NM_003169, NM_001511, NM_000211, NM_007355, NM_016190,
			NM_000636, NM_001024466, NM_000200, NM_152879, NM_006096, NM_002983,
			NM_005345, NM_002524, NM_006788, NM_002984, NM_207007, NM_000160,
GOTERM BP ALL	response to chemical stimulus	23	NM_181652, NM_001557, NM_000584,

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GOTERM_BP_ALL	response to external stimulus	34	NM_002432, NM_000700, NM_001005377, NM_001511, NM_005252, NM_000636, NM_001024466, NM_000628, NM_000312, NM_000433, NM_002983, NM_020956, NM_001623, NM_004847, NM_006788, NM_005194, NM_002984, NM_207007, NM_181652, NM_004267, NM_173842, NM_005474, NM_002468, NM_002029, NM_002965, NM_021200, NM_153292, NM_003332, NM_000211, NM_000843, NM_001085, NM_000576, NM_002524, NM_000160, NM_001557, NM_000584, NM_002964,
	response to other organism		NM_002432, NM_000700, NM_004559, NM_001511, NM_005252, NM_000636, NM_001024466, NM_000200, NM_000628, NM_000433, NM_020529, NM_002983, NM_001623, NM_004847, NM_005194, NM_002984, NM_207007, NM_181652, NM_004267, NM_005474, NM_173842, NM_002468, NM_003824, NM_002029, NM_002965, NM_153292, NM_194447, NM_003332, NM_000211, NM_016389, NM_001085, NM_000576, NM_018643, NM_013230, NM_001002235, NM_001557, NM_000584, NM_002964,
GOTERM_BP_ALL	response to pest, pathogen or parasite	34	NM_002432, NM_000700, NM_004559, NM_001511, NM_005252, NM_000636, NM_001024466, NM_000628, NM_000433, NM_020529, NM_002983, NM_001623, NM_004847, NM_005194, NM_002984, NM_207007, NM_181652, NM_004267, NM_005474, NM_173842, NM_002468, NM_003824, NM_002029, NM_002965, NM_153292, NM_194447, NM_003332, NM_000211, NM_016389, NM_001085, NM_000576, NM_018643, NM_013230, NM_001002235, NM_001557, NM_000584, NM_002964,
GOTERM_BP_ALL	response to stress	62	NM_002432, NM_000700, NM_001007553, NM_004559, NM_173176, NM_001511, NM_016190, NM_032409, NM_000636, NM_001024466, NM_000628, NM_001623, NM_004847, NM_002984, NM_207007, NM_181652, NM_004267, NM_005484, NM_005474, NM_173842, NM_002468, NM_002029, NM_002969, NM_006597, NM_153292, NM_013233, NM_013230, NM_001002235, NM_006763, NM_002964, NM_003900, NM_006384, NM_001641, NM_139062, NM_001005377, NM_018282, NM_001015052, NM_005252, NM_005801, NM_000312, NM_000433, NM_020529, NM_002983, NM_005194, NM_014445, NM_005923, NM_012235, NM_003824, NM_015675, NM_001675, NM_002965, NM_000581, NM_201397, NM_194447, NM_003332, NM_000211, NM_007355, NM_016389, NM_001085, NM_005345, NM_001280, NM_000576, NM_018643, NM_002691, NM_001557, NM_000584,

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			NM_002432, NM_000700, NM_001005377, NM_001511, NM_005252, NM_000636,
			NM_001024466, NM_000628, NM_000312, NM_000433, NM_002983, NM_001623,
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			NM_003332, NM_000211, NM_001085, NM_000576, NM_001557, NM_000584,
GOTERM BP ALL	response to wounding		NM 002964,
00 / E/////_B/ _/ / EE	response to wounding		,
GOTERM BP ALL	Rho protein signal transduction	6	NM 005507, NM 001664, NM 002314, NM 198829, NM 001665, NM 001175,
	1 0		_
			XM_371853, NM_031844, NM_014469, NM_001014, NM_001023, NM_001000,
			NM_001004, XM_927103, NM_001012321, NM_001007, NM_000999, NM_015414,
			NM_001028, NM_001025071, NM_005617, NM_001033853, NM_000970,
			NM_001024662, NM_000972, NM_003908, XM_371023, NM_201998, NM_170738,
			NM_014180, NM_000973, NM_000985, XM_372048, NM_001006, NM_001032,
			NM_001026, XM_208185, NM_001997, XM_371019, NM_033251, NM_022551,
			NM_000978, NM_003333, NM_000975, NM_000989, NM_022118, NM_001011,
			NM_001031, NM_007104, NM_001001, NM_002136, NM_000981, NM_001012,
			NM_000986, XM_496442, NM_002954, NM_001025204, NM_000980, NM_001641,
			NM_001436, NM_002948, NM_005968, NM_000992, NM_000983, XM_495839,
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			NM_001030009, NM_014445, NM_000968, XM_293412, NM_000988, NM_001002,
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			NM_001017, NM_000990, NM_002952, NM_021029, NM_001020, NM_001009,
			XM_370611, NM_000994, NM_016389, NM_001005, NM_194247, NM_003091,
			NM_000996, NM_001015, NM_016732, NM_031266, NM_006013, NM_001025,
GOTERM_CC_ALL	ribonucleoprotein complex	94	NM_000976,
			NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
			NM_001694, NM_001001937, NM_002512, NM_001685, NM_003987,
GOTERM_BP_ALL	ribonucleoside triphosphate biosynthesis	13	NM_001001977, NM_001002258,
			NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
			NM_001694, NM_001001937, NM_002512, NM_001685, NM_003987,
GOTERM_BP_ALL	ribonucleoside triphosphate metabolism	13	NM_001001977, NM_001002258,
			NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
COTEDN (22 ***			NM_001694, NM_001001937, NM_002512, NM_001685, NM_001001977,
GOTERM_BP_ALL	ribonucleotide biosynthesis	14	NM_003987, NM_001002258, NM_012393, NM_007100, NM_006476, NM_006356, NM_001002031, NM_001686, NM_001693,
COTEDNA DD ALL	ribonuslootida matabalism	1.4	NM_001694, NM_001001937, NM_002512, NM_001685, NM_001001977,
GOTEKINI_RL_ATT	ribonucleotide metabolism	14	NM_003987, NM_001002258, NM_012393,

			XM_371853, NM_001014, NM_001023, NM_001000, NM_001004, XM_927103,
			NM_001012321, NM_001007, NM_000999, NM_015414, NM_001028,
			NM_001025071, NM_005617, NM_001033853, NM_000970, NM_001024662,
			NM_000972, NM_003908, XM_371023, NM_201998, NM_170738, NM_014180,
			NM_000973, NM_000985, XM_372048, NM_001006, NM_001032, XM_208185,
			NM_001026, NM_001997, XM_371019, NM_033251, NM_022551, NM_000978,
			NM_003333, NM_000975, NM_000989, NM_001011, NM_001031, NM_007104,
			NM_001001, NM_000981, NM_001012, NM_000986, XM_496442, NM_002954,
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			NM_000661, NM_001035267, NM_001024, NM_000998, NM_000969, XM_015717,
			NM_001030009, NM_014445, NM_000968, XM_293412, NM_000988, NM_001002,
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			NM_001017, NM_000990, NM_002952, NM_001020, NM_021029, NM_001009,
			XM_370611, NM_000994, NM_001005, NM_000996, NM_001015, NM_006013,
GOTERM CC ALL	rihosome		NM_001025, NM_000976,
0012////_00_//22	Thosonic		
			NM_013286, NM_001010850, NM_031844, NM_001014, NM_006489,
			NM_001007553, NM_004559, NM_003487, NM_001004, NM_001007, NM_005131,
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			NM 201998, NM 000973, NM 000985, NM 033251, XM 371019, NM 022551,
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			NM_000980, NM_017722, NM_001436, NM_005968, NM_024045, NM_000992,
			NM_000983, NM_000661, NM_002486, NM_004643, NM_000969, NM_013293,
			NM_000968, NM_001002, NM_000971, NM_033625, NM_001022, NM_003973,
			NM_030979, NM_000984, NM_000990, NM_002952, NM_001009, NM_019001,
			NM_001402, NM_001005, NM_004593, NM_194247, NM_003091, NM_001280,
GOTERM MF ALL	RNA binding		NM 000996, NM 001015, NM 016732, NM 031266, NM 000976, NM 001967,
	Š		
			NM_031844, NM_001039465, NM_006489, NM_017722, NM_001436, NM_018282,
			NM_005131, NM_018694, NM_002568, NM_004643, NM_002486, NM_201998,
			NM_013293, NM_025150, NM_030979, NM_006397, NM_014884, NM_016389,
			NM_004593, NM_003407, NM_005345, NM_003091, NM_002136, NM_030919,
GOTERM_BP_ALL	RNA metabolism	27	NM_031266, NM_001007229, NM_001025204,
			NM_001675, NM_001037637, NM_002229, NM_014213, NM_001452, NM_003487,
COTEDNA NAS ALL	DNA nahanagaa II tugugaginti	4.2	NM_021005, NM_138714, NM_005252, NM_005121, NM_201998, NM_015859,
GOTERM_MF_ALL	RNA polymerase II transcription factor activity	13	NM_012482,

			NM_001039465, NM_031844, NM_006489, NM_017722, NM_001436, NM_018282,
			NM 005131, NM 018694, NM 016389, NM 014884, NM 004593, NM 002568,
			NM_003091, NM_002486, NM_004643, NM_201998, NM_013293, NM_002136,
GOTERM BP ALL	RNA processing		NM 001007229, NM 001025204,
GOTENNI_BI_/NEE	in the coessing		NM_001039465, NM_006489, NM_018282, NM_005131, NM_018694, NM_014884,
			NM 016389, NM 004593, NM 003091, NM 002486, NM 201998, NM 013293,
GOTERM_BP_ALL	RNA splicing	13	NM 001025204,
			NM_014884, NM_004593, NM_001039465, NM_003091, NM_018282, NM_201998,
GOTERM_BP_ALL	RNA splicing, via transesterification reactions	9	NM_013293, NM_005131, NM_001025204,
	RNA splicing, via transesterification reactions with		NM_014884, NM_004593, NM_001039465, NM_003091, NM_018282, NM_201998,
GOTERM_BP_ALL	bulged adenosine as nucleophile	9	NM_013293, NM_005131, NM_001025204,
GOTERM_MF_ALL	rRNA binding		NM_000975, NM_000984, NM_000969, NM_022551, NM_001015, NM_000973,
			NM_002029, NM_152879, NM_032246, NM_199040, NM_000160, NM_001557,
GOTERM_BP_ALL	second-messenger-mediated signaling	10	NM_000584, NM_006098, NM_001114, NM_201533,
			NM_002983, NM_001009181, NM_001024226, NM_001014797, NM_003569,
			NM_004781, NM_198398, NM_022080, NM_005745, NM_003761, NM_014723,
GOTERM_BP_ALL	secretion	12	NM_001662,
			NM_002983, NM_001024226, NM_001014797, NM_003569, NM_004781,
GOTERM_BP_ALL	secretory pathway	11	NM_198398, NM_022080, NM_005745, NM_003761, NM_014723, NM_001662,
			NM_002229, NM_001675, NM_014213, NM_023067, NM_001452, NM_002146,
			NM_017420, NM_005413, NM_005938, NM_000044, NM_021005, NM_005252,
			NM 001426, NM 002585, NM 007317, NM 005194, NM 003927, NM 002971,
COTEDNA NAT ALL	saguence specific DNA hinding		NM 033267, NM 024016, NM 022117, NM 018942,
GOTERIVI_IVIF_ALL	sequence-specific DNA binding	22	NM_003064, NM_030666, NM_201413, NM_001085, NM_181642, NM_002567,
COTEDNA ME ALL	serine-type endopeptidase inhibitor activity		NM 002638, NM 001002235,
GOTERIVI_IVIF_ALL	serme-type endopeptidase inhibitor activity	0	NM_005507, NM_021205, NM_198829, NM_001024226, NM_001175, NM_001662,
			NM_002314, NM_001664, NM_001031677, NM_006270, NM_002524, NM_138769,
			NM_021033, NM_001665, NM_021168, NM_002872, NM_003624, NM_183235,
GOTERM BP ALL	small GTPase mediated signal transduction		NM 006822,
53121111_DI _/\LL	Sinds of the mediated signal transduction		XM 372048, NM 001005, NM 001014, NM 001022, NM 001023, NM 002952,
GOTERM CC ALL	small ribosomal subunit		NM 001012321, NM 001025, NM 001009, XM 496442,
	sodium ion transporter activity	-	NM 002491, NM 021074, NM 004549, NM 002489, NM 004541,
	spliceosome complex	-	NM_016389, NM_003091, NM_022118, NM_201998, NM_001025204,
			_ ,,,,,
GOTERM BP ALL	stress-activated protein kinase signaling pathway	5	NM_033141, NM_212492, NM_005923, NM_015133, NM_005456,
			<u> </u>
GOTERM_BP_ALL	striated muscle development	5	NM_002969, NM_012238, NM_021019, NM_079423, NM_003333, NM_005474,
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			NM_005554, NM_000424, NM_002272, NM_199187, NM_000526, NM_002705,
			NM_000226, NM_005720, NM_001101, NM_001614, NM_005555, NM_005731,
			NM_152862, NM_004389, NM_004924, NM_002274, NM_153490, NM_002276,
GOTERM_MF_ALL	structural constituent of cytoskeleton	15	NM_003458,
			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
			XM_371853, NM_001014, NM_001023, NM_001000, NM_001004, XM_927103,
			NM_001012321, NM_001007, NM_000999, NM_015414, NM_002953,
			NM_001025071, NM_005617, NM_001033853, NM_000970, NM_001024662,
			NM_000972, XM_371023, NM_170738, NM_014180, NM_000973, NM_000985,
			XM_372048, NM_001006, NM_001032, XM_208185, NM_001026, NM_001997,
			XM_371019, NM_033251, NM_022551, NM_000978, NM_003333, NM_000975,
			NM_000989, NM_001011, NM_001031, NM_007104, NM_001001, NM_000981,
			NM_001012, NM_000986, XM_496442, NM_002954, NM_000980, NM_002948,
			NM_000992, NM_000983, XM_495839, NM_000661, NM_001035267, NM_001024,
			NM_000998, NM_000969, XM_015717, NM_001030009, NM_000968, XM_293412,
			NM_000988, NM_001002, NM_000971, NM_033625, NM_001022, NM_012423,
			NM_003973, NM_000984, NM_001017, NM_000990, NM_002952, NM_001020,
			NM_021029, NM_001009, XM_370611, NM_000994, NM_001005, NM_000996,
GOTERM_MF_ALL	structural constituent of ribosome	78	NM_001015, NM_006013, NM_001025, NM_000976, NM_571055, NM_001025, NM_527105, NM_000955, NM_001025071, NM_005017,
			NM_002953, NM_000972, NM_005988, NM_170738, NM_001006, XM_372048,
			NM_000424, NM_002272, NM_000985, NM_199187, NM_001032, NM_001026,
			NM_001997, XM_371019, NM_152888, NM_000978, NM_000975, NM_002284,
			NM_000989, NM_004693, NM_007104, NM_000981, NM_001012, NM_005721,
			NM_005416, NM_002954, NM_000526, NM_003125, NM_000226, NM_005720,
			NM_001101, NM_001614, NM_002948, NM_000983, NM_057088, NM_006617,
			NM 000998, NM 002274, NM 153490, NM 000969, XM 015717, NM 002276,
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			NM_002952, NM_021029, NM_001009, NM_000994, XM_370611, NM_001005,
			NM_173086, NM_006088, NM_000996, NM_001015, NM_001025, NM_000976,
			NM_001014, NM_006082, NM_001000, NM_021046, NM_000421, NM_005555,
			NM_001004, NM_001012321, NM_001007, NM_015414, NM_003247, NM_000970,
			NM_001024662, NM_005987, NM_001033853, XM_371023, NM_014180,
			NM_000973, NM_005554, XM_208185, NM_033251, NM_022551, NM_003333,
			NM_005731, NM_152862, NM_173352, NM_004389, NM_001011, NM_001031,
			NM_001001, XM_496442, NM_000986, NM_207303, NM_000980, NM_006181,
GOTERM_MF_ALL	structural molecule activity	120	NM_000992, XM_495839, NM_000661, NM_001035267, NM_001024,

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GOTERM_BP_ALL	system development		NM_007308, NM_032108, NM_005634, NM_014279, NM_003108, NM_006181, NM_001511, NM_000044, NM_206887, NM_205840, NM_057091, NM_002585, NM_006617, NM_020956, NM_003025, NM_003656, NM_014548, NM_003987, NM_004114, NM_005413, NM_023035, NM_000263, NM_021999, NM_003333, NM_021074, NM_002314, NM_014496,
			NM_002029, NM_002983, NM_002524, NM_006788, NM_001005377, NM_002984,
GOTERM_BP_ALL	taxis		NM_207007, NM_001511, NM_001557, NM_000584, NM_000211,
GOTERM_BP_ALL	tissue development	19	NM_005554, NM_000526, NM_000424, NM_002272, NM_003125, NM_004475, NM_002705, NM_000226, NM_001009181, NM_001005611, NM_000421, NM_005555, NM_001017418, NM_006945, NM_003245, NM_002959, NM_000200, NM_002274, NM_153490, NM_005987, NM_005988, NM_005416, NM_003125, NM_002705, NM_005987, NM_005988, NM_001017418, NM_006945,
GOTERM BP ALL	tissue morphogenesis	7	NM_003245, NM_005416,
GOTERM_MF_ALL	transcription cofactor activity		NM_002229, NM_002357, NM_001641, NM_005121, NM_001452, NM_014517, NM_015859, NM_201998, NM_005437, NM_021005, NM_006312, NM_145897, NM_002229, NM_002357, NM_001641, NM_014517, NM_201998, NM_021005,
GOTERM MF ALL	transcription corepressor activity	8	NM 006312, NM 145897,
GOTERM_MF_ALL	transcription factor binding transcription factor complex	14	NM_002229, NM_001641, NM_001452, NM_014517, NM_021005, NM_002357, NM_020529, NM_005121, NM_201998, NM_015859, NM_005437, NM_006312, NM_145897, NM_005474, NM_016389, NM_001452, NM_003487, NM_001101, NM_001614, NM_015859, NM_018171, NM_005474,
	transcription from RNA polymerase II promoter		NM_003900, NM_001037637, NM_002229, NM_001641, NM_020183, NM_001452, NM_005206, NM_004559, NM_001005273, NM_021005, NM_138714, NM_005252, NM_000636, NM_001024466, NM_002585, NM_005121, NM_005194, NM_003987, NM_001675, NM_014517, NM_001261, NM_005938, NM_003169, NM_001271, NM_015859, NM_012482, NM_212472,
			NM_001004, NM_001037663, NM_001012321, NM_024996, NM_001404, NM_005801, NM_001402, XM_058967, NM_013234, NM_152269, NM_002568,
GOTERM_BP_ALL	translation	17	NM_003753, NM_003908, NM_030919, NM_001967, NM_025150, NM_001002,
GOTERM_MF_ALL	translation elongation factor activity	6	XM_058967, NM_001037663, NM_172027, NM_024996, NM_001404, NM_001402, NM_001037663, NM_018429, NM_024996, NM_001404, NM_005801, NM_001402, NM_018067, NM_012324, NM_0123260, NM_02268, NM_023753, NM_023088
GOTERM_MF_ALL	translation factor activity, nucleic acid binding	15	XM_058967, NM_013234, NM_152269, NM_002568, NM_003753, NM_003908, NM_172027, NM_001967, NM_017629,

			NM_013234, NM_003753, NM_003908, NM_018429, NM_001967, NM_005801,
GOTERM_MF_ALL	translation initiation factor activity	7	NM_017629,
			NM_001037663, NM_018429, NM_024996, NM_001404, NM_005801, NM_001402,
			XM_058967, NM_013234, NM_152269, NM_002568, NM_003753, NM_003908,
GOTERM_MF_ALL	translation regulator activity	15	NM_172027, NM_001967, NM_017629,
			XM_058967, NM_001004, NM_001037663, NM_024996, NM_001404, NM_001402,
	translational elongation		NM_001002,
GOTERM_BP_ALL	translational initiation	5	NM_013234, NM_003753, NM_003908, NM_001967, NM_005801, NM_0024324, NNM_002437, NNM_00247, NNM_0
			NM_005131, NM_152313, NM_002491, NM_002032, NM_201413, NM_001694,
			NM_002556, NM_006788, NM_007317, NM_005072, NM_025150, NM_207127,
			NM_007100, NM_001636, NM_013416, NM_199040, NM_145283, NM_152888,
			NM_152868, NM_138813, NM_000978, NM_004519, NM_000288, NM_001288,
			NM_001001937, NM_003329, NM_002136, NM_005858, NM_004227, NM_015133,
			NM_014453, NM_033323, NM_001014797, NM_033223, NM_001002031,
			NM_004781, NM_178867, NM_017657, NM_001693, NM_001662, NM_019849,
			NM_000786, NM_020529, NM_002486, NM_006305, NM_001685, NM_001853,
			NM_006009, NM_020548, NM_213601, NM_007347, NM_023035, NM_005745,
			NM_006088, NM_003777, NM_031431, NM_001002258, NM_183235, NM_006822,
			NM_005456, NM_006082, NM_198829, NM_001024226, NM_004255, NM_198398,
			NM_001686, NM_001863, NM_052859, NM_001031677, NM_005817,
			NM_001017998, NM_176812, NM_000146, NM_004366, NM_153292,
			NM_001005611, NM_018593, NM_006356, NM_181836, NM_014402, NM_000918,
			NM_002635, NM_004976, NM_021074, NM_016226, NM_001664, NM_000238,
			NM_005267, NM_001494, NM_025072, NM_031212, NM_021168, NM_003624,
			NM_003761, NM_030777, NM_016518, NM_003900, NM_014861, NM_004549,
GOTERM_BP_ALL	transport	135	NM_004074, NM_005932, NM_000018, NM_003003, NM_145648, NM_006294,

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			NM 006476, NM 004255, NM 001686, NM 001863, NM 052859, NM 005576,
			NM 152313, NM 002491, NM 001694, NM 005072, NM 181652, NM 025150,
			NM_004366, NM_007100, NM_153292, NM_001636, NM_013416, NM_018593,
			NM_145283, NM_006356, NM_000918, NM_152868, NM_014402, NM_002635,
			NM_138813, NM_004976, NM_004519, NM_021074, NM_001288, NM_000238,
			NM_005267, NM_002489, NM_001001937, NM_025072, NM_003329, NM_005858,
			NM_030777, NM_004074, NM_014861, NM_004549, NM_003003, NM_145648,
			NM_006294, NM_033323, NM_001002031, NM_001014797, NM_033223,
			NM_001646, NM_022080, NM_178867, NM_001693, NM_021960, NM_001865,
			NM_019849, NM_000433, NM_001685, NM_001001977, NM_000702, NM_138454,
			NM_004374, NM_023035, NM_000352, NM_003569, NM_002959, NM_001426,
			NM_004174, NM_032591, NM_016321, NM_005714, NM_004541, NM_015353,
GOTERM_MF_ALL	transporter activity		NM_000126, NM_032513, NM_004069, NM_001002258,
			NM_004323, NM_006597, NM_004607, NM_005347, NM_145046, NM_007355,
			NM_003021, NM_005345, NM_021130, NM_001017998, NM_006088, NM_145897,
GOTERM_MF_ALL	unfolded protein binding	13	NM_012235,
GOTERM_BP_ALL	vasculature development	5	NM_006291, NM_031917, NM_014780, NM_000584, NM_005560,
			NM_003900, NM_032452, NM_198829, NM_001024226, NM_007347, NM_004781,
			NM_003569, NM_198398, NM_005487, NM_022080, NM_005745, NM_014723,
			NM_001662, NM_002959, NM_201413, NM_002983, NM_005817, NM_004069,
GOTERM_BP_ALL	vesicle-mediated transport		NM_004227, NM_003761, NM_015133, NM_005456,
			NM_006058, NM_002983, NM_021130, NM_014517, NM_002984, NM_207007,
GOTERM_BP_ALL	viral genome replication		NM_003169, NM_000584,
			NM_006058, NM_002983, NM_021130, NM_014517, NM_002984, NM_207007,
GOTERM_BP_ALL	viral infectious cycle		NM_003169, NM_000584,
COTEDNA SS			NM_006058, NM_002983, NM_021130, NM_014517, NM_002984, NM_207007,
GOTERM_BP_ALL	viral life cycle	7	NM_003169, NM_000584,
			NIM 001200 NIM 000220 NIM 005714 NIM 015252 NIM 022025 NIM 004044707
COTEDNA NAS ALL			NM_001288, NM_000238, NM_005714, NM_015353, NM_023035, NM_001014797,
GOTERINI_INIF_ALL	voltage-gated ion channel activity	11	NM_152868, NM_004976, NM_004519, NM_001426, NM_004366,