

S22 Table. **BlastN** homologous results of **M01522:132:00000000-A4LNU:1:2108:6882:8618**.

	Specie ID	Max Score	Total Score	Query Cover	E-Value	Identification	Accession
M01522:132:00000000-A4LNU:1:2108:6882:8618	<i>Eimeria mitis</i> branched-chain alpha-keto acid dehydrogenase E1 component beta chain	152	152	0.7	4E-33	0.77	XM_013500137.1
	<i>Aphanomyces euteiches</i> cDNA	150	150	0.71	2E-32	0.77	CU355634.1
	<i>Aphanomyces invadans</i> 2-oxoisovalerate dehydrogenase subunit beta, mitochondrial mRNA	145	145	0.71	7E-31	0.76	XM_008875086.1
	<i>Aphanomyces astaci</i> 2-oxoisovalerate dehydrogenase subunit beta, mitochondrial mRNA	143	143	0.7	2E-30	0.76	XM_009831314.1
	<i>Naegleria gruberi</i> predicted protein, mRNA	141	141	0.71	8E-30	0.76	XM_002673181.1
	<i>Lichtheimia ramosa</i> strain JMRC FSU:6197 genome assembly, scaffold: SCAF2	140	140	0.73	3E-29	0.75	LK023324.1
	PREDICTED: <i>Orussus abietinus</i> 2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	138	138	0.7	1E-28	0.76	XM_012421320.2
	PREDICTED: <i>Orussus abietinus</i> 2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	138	138	0.7	1E-28	0.76	XM_012421319.2
	PREDICTED: <i>Orussus abietinus</i> 2-oxoisovalerate dehydrogenase subunit beta, mitochondrial	138	138	0.7	1E-28	0.76	XM_012421318.2
	<i>Batrachochytrium dendrobatidis</i> JAM81 hypothetical protein (BATDEDRAFT_88045), partial	138	138	0.72	1E-28	0.76	XM_006678602.1