1) >Rha13G005470.1

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GTTGCGAGATTTGGGTTCGAGTTTAGAAGTAAACCTAGTAACAGGTTTGGAGAAGAACTTCAAGCTTAGTG
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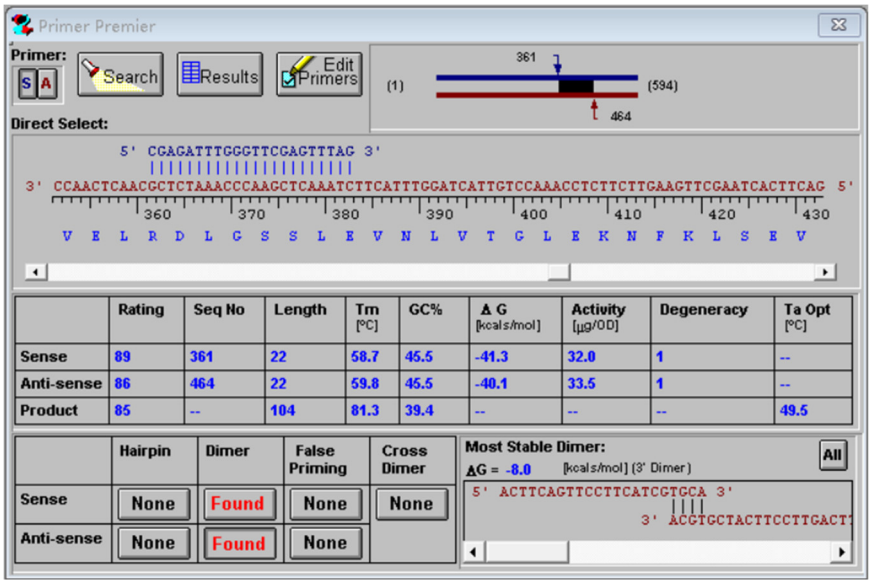
S:5' CGAGATTTGGGTTCGAGTTTAG 3'

A:5' ACTTCAGTTCCTTCATCGTGCA 3'



2) >Rha06G025620.1

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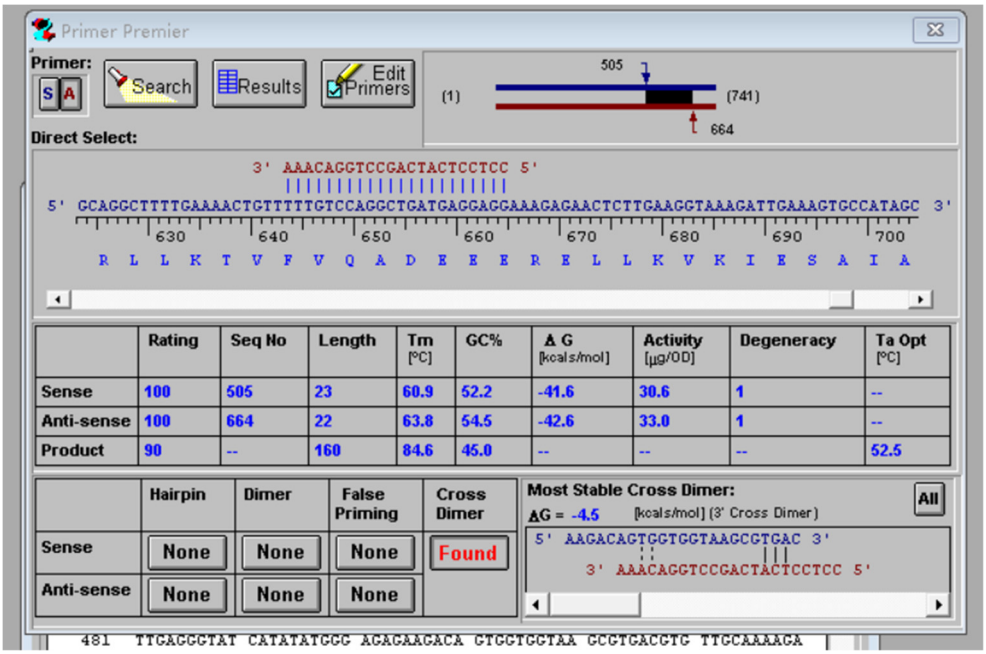
S:5' AAGACAGTGGTGGTAAGCGTGAC 3'

A:5' CCTCCTCATCAGCCTGGACAAA 3'



3) >Rha11G019630.1

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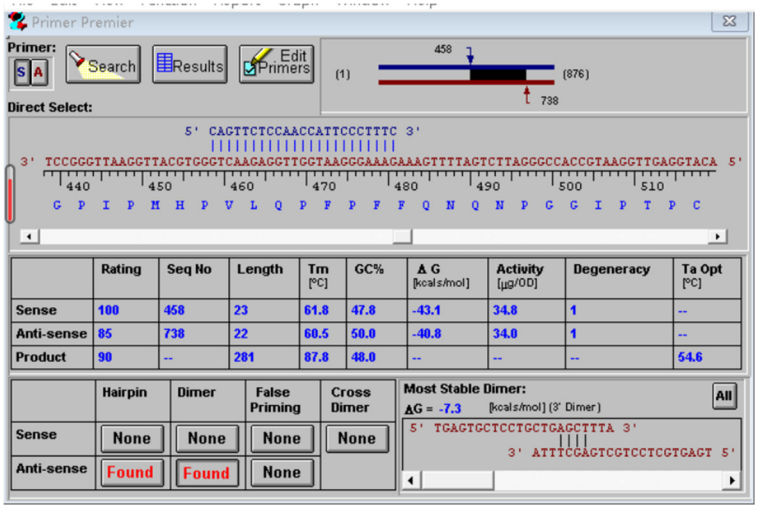
S:5' CAGTTCTCCAACCATTCCCTTTC 3'

A:5' TGAGTGCTCCTGCTGAGCTTTA 3'



4)**>Rha13G010250.1**

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CTTGTATTCTGGGGTACATGGGGAGGCAGTGCTATCAACAGAACCAAAGTGGCTTAGCTGCACCAAGGACT
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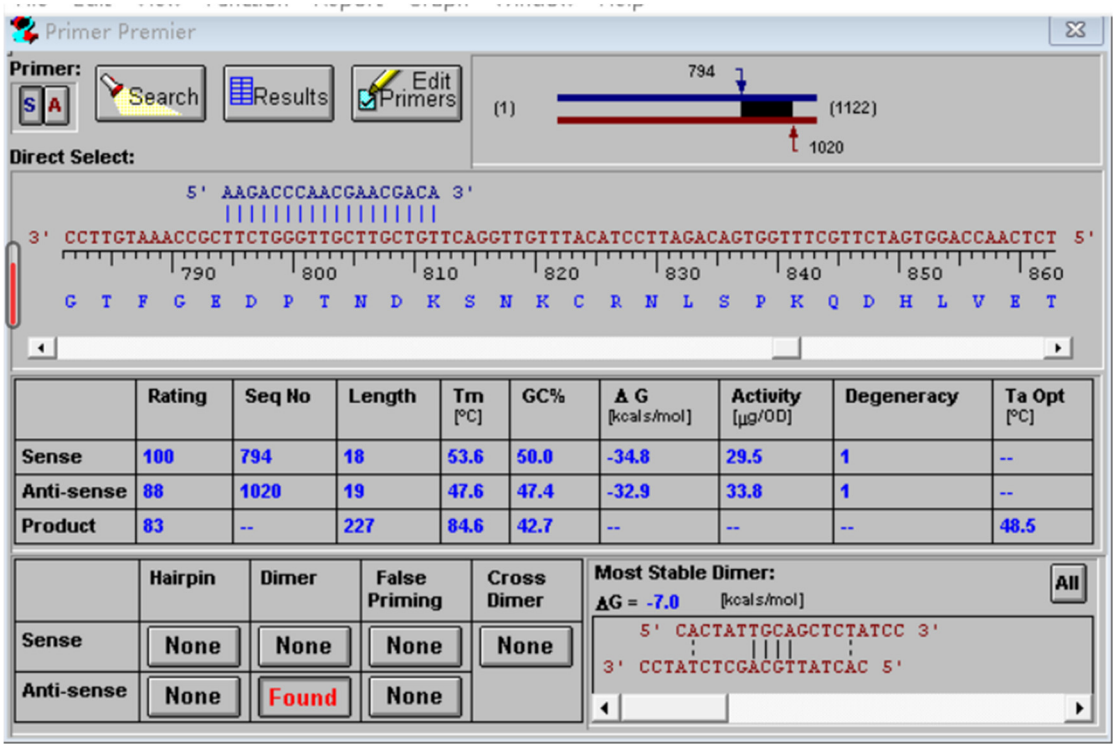

(2) S:5' CCCAACGAACGACAAGTCCAAC 3'

A:5' TAAAGCACGTAAGGCGAACAGC 3'

5)**>Rha07G024460.1**

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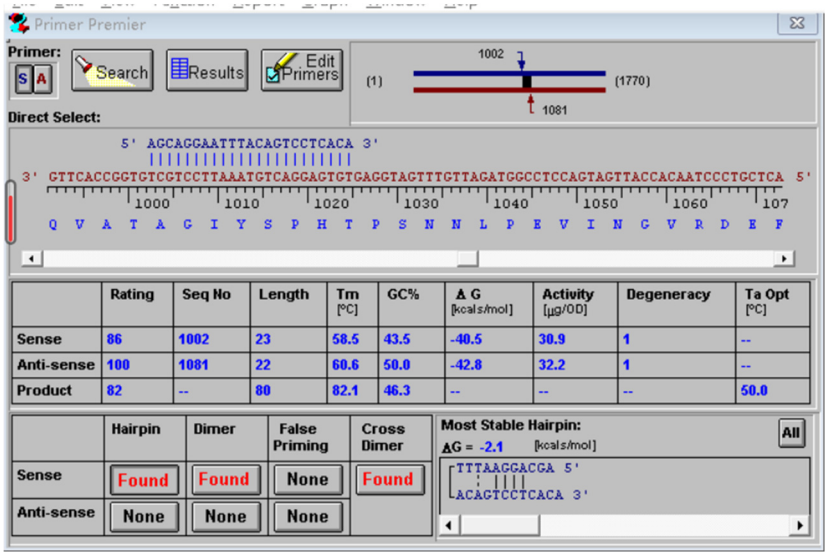
S:5' AGCAGGAATTTACAGTCCTCACA 3'

A:5' TAAGCCGAAACTCGTCCCTAAC 3'



6)**>Rha06G014370.1**

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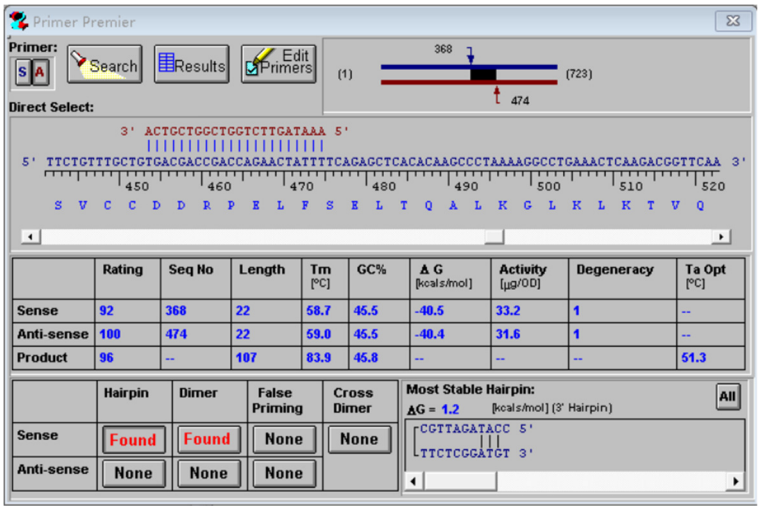
S:5' CCATAGATTGCTTCTCGGATGT 3' TM=58.7

A:5' AAATAGTTCTGGTCGGTCGTCA 3' TM=59



7)**>Rha09G001260.1**

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CCTGAGAAGCAAAGGCTTGTGTCTTGTGCCGAATTCAAGTACCGGTGGAGTTGCTAGCAGCAATGGAGCA
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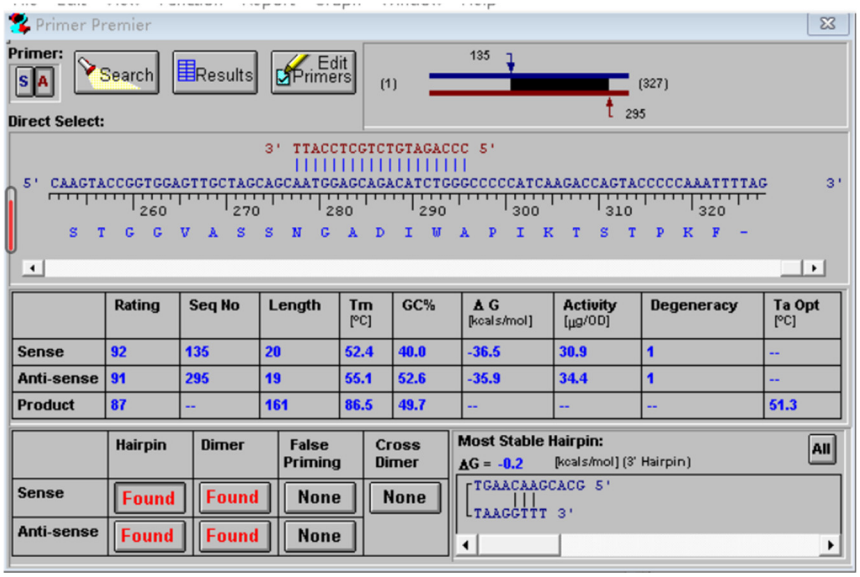
S:5' GCACGAACAAGTTAAGGTTT 3'

A:5' CCCAGATGTCTGCTCCATT 3'



8)**>Rha01G022800.1**

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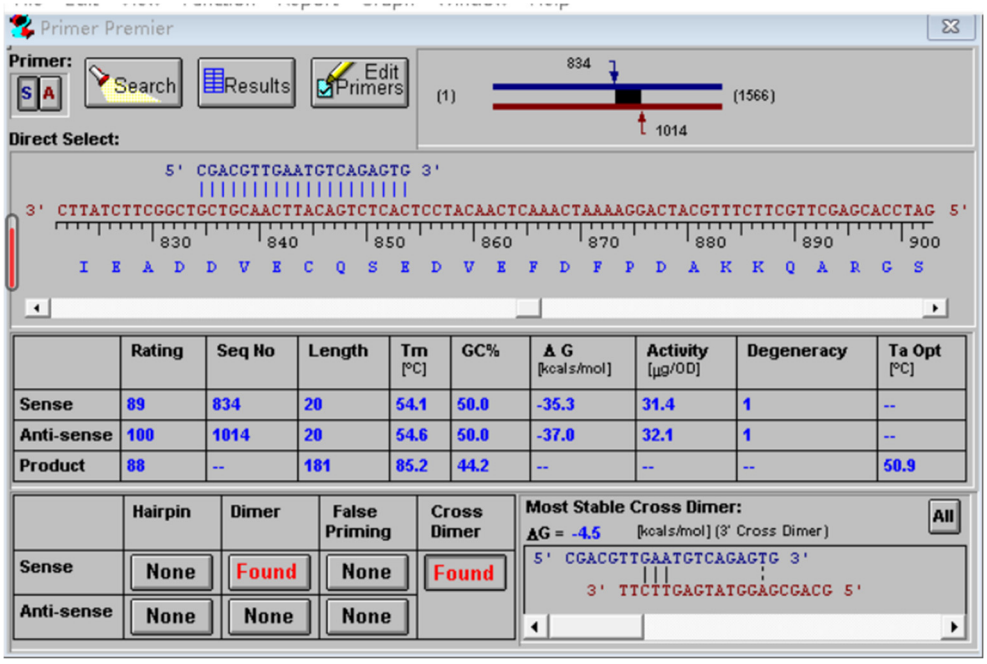
S:5' CGACGTTGAATGTCAGAGTG 3'

A:5' GCAGCGAGGTATGAGTTCTT 3'



9)**>Rha12G018130.1**

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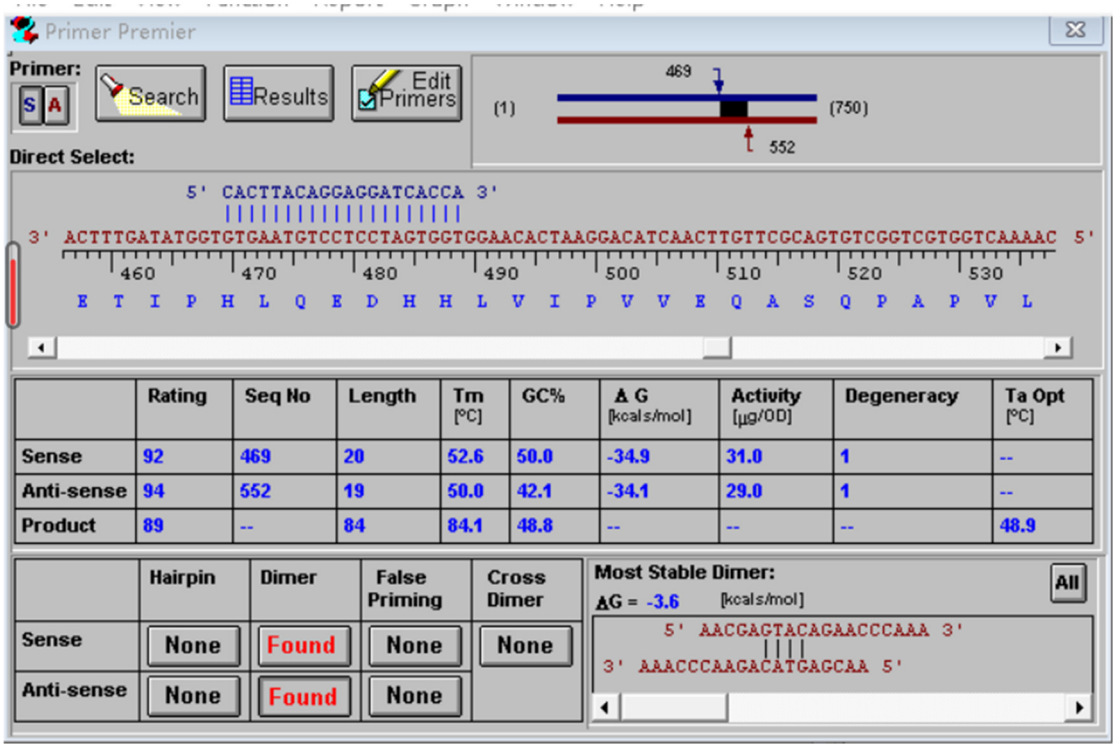
S:5' CACTTACAGGAGGATCACCA 3'

A:5' AACGAGTACAGAACCCAAA 3'



10)**>Rha03G013800.1**

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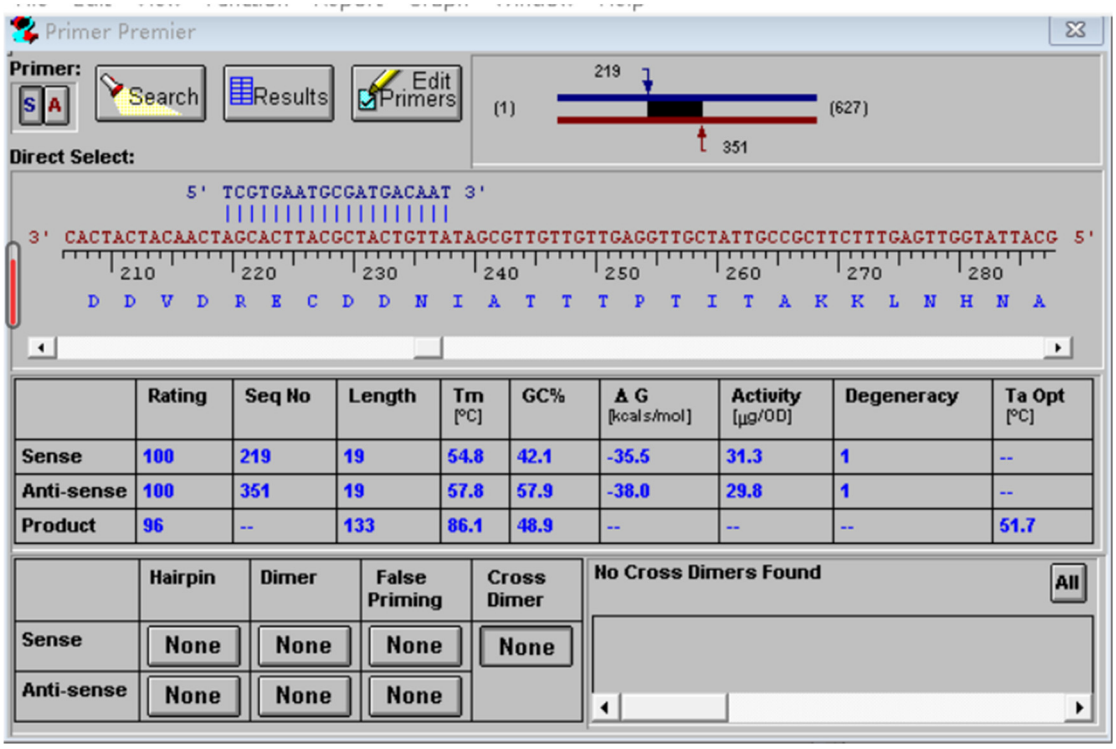
S:5' TCGTGAATGCGATGACAAT 3'

A:5' CGGAAGAAGTGAACGGAGG 3'



	Rating	Seq No	Length	Tm [°C]	GC%	Δ G [kcals/mol]	Activity [µg/OD]	Degeneracy	Ta Opt [°C]
Sense	100	219	19	54.8	42.1	-35.5	31.3	1	--
Anti-sense	100	351	19	57.8	57.9	-38.0	29.8	1	--
Product	96	--	133	86.1	48.9	--	--	--	51.7

	Hairpin	Dimer	False Priming	Cross Dimer
Sense	None	None	None	None
Anti-sense	None	None	None	