

Fig. S1. Gluconeogenesis and glycolysis pathway description.

pfkla

>GSONMG00009459001 scaffold_7584 (*pfkla*)
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CTTGACGAGTTGTATTCCATGGGGTATGCCCTGCCACCATCAGTAACAACGTACCCGGGA
CAGACTTCAGTCTGGGGCAGACACGGCTGTCAACGCTGCCATGGAGAGTTGTGATAAGATTAA
GCAGTCGGCTTCAGGGACCAAGAGAAGGGTGTCTAGTGGAAACTATGGGAGGCTACTGTGGT
TACCTGGCAACCTACGCCGGTATCGCTGTGGAGCAGACGCTGCTACATCTCGAGGACCCCT
TCAACCTCCAGGACCTAAAGGTGAAAACCAGGCTGCTGGCATAGCACCTTATTCCCTACTCT
GGTCAAAGTAGTTCACTAGGGTGCCATCTGGACACTCTCACAGTCTTCACTAGGGTGCCATCT
CAGACTAACAGTCTCCACTAGGGTGCCATCTCAGA

> GSONMG00009459001 sc_7584 deduced partial amino acids
sequenceMQKIVDINKHNIQALLIVGGFEAYEGVLELYDARGSFDELCPMVVIPATISNNVPGTDFSLG
ADTAVNAMESCDKIKQSASGTKRRVFVETMGGYCGYLATYAGIAVGADAAYIFEDPFNLQDLKVKT
RLLLA

> FYV3OTN01AZR97.s.om.10:1:2407:1
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CCTGTCAGGAAACCAGGCTGTCGCTGCCTTGTGGAGTGTACAGATGACTAAAGAGGTT
CAGAAGGCCATGAATGAAAAGAGGTTGATGAAGCCATCCAACGTAGAGAGAAGGAGCTTGAGA
ACAACGTGGAACATGTACAAACTGCTTGCCCTTCAGAACGCTGCTGTTACCAAGAGCAACACAG
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AGAGTGGCGCTGGCCTACGGTCACAAGGTCTACTCTGTCATGACGGCTCGAGGGGCTTGCCA
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CCGGCTCTAGAACACACACTAACCGGACTGTAGACACCCGGCTCTAGAACACACATAACGC
TGGACTGTAGACACCCGGCTCTAACGACTGGCTCCAACCGTGGAAATGTCACCTCCAACTGTCT
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GCCCTTATATCTGACTGTGCTGAGACTACCTAGACATCAGGGCCTTATATATGACTGTGCT
GAGACTACCTAGACATCAGGGCCTTATATCTGGACTGTGCTGCTAGTACACCCAGATGATA
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pfklb

>GSONMG00001975001 scaffold_8651 (*pfklb*)
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TGTGTGTGTGGAGGAGACGGCAGCCTAACCGAGCTAACATCTTCAGGACCGAGTGGACTG
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CCTGAACATCGTAGGGTTGGATCTATAGACAACGACTTCTGTGGACAGACATGACCATAG
GCGCTGACTCCGCCCTGCATCGCATATGGAGATAGTGGACGCCACTACCACCGCACAGAG
GTA

> GSONMG00001975001 sc_8651 deduced partial amino acids sequence
PGMNAAVRAVTRMGIFVGAKMYLVYEGYQGLVDGGDNIKLAHWQSNTIIQQGGTVIGSARCKVFTT
RDGRLAAAFNLVKRGITNLCVCGGDGSLTGANIFRTEWTGLLAELVQKGRITDTLAKQHNHLNIVGLV
GSIDNDFCGTDMTIGADSALHRIMEIVDAITTAQR

> FYV3OTN02GK8A7.s.om.10:1:688:1
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AGTGCTCGCTGTAAGGTCTTACCAACGGCAGGGTCCGGCTGGCAGCAGCCTTAACCTGGGTG
AAAGAGAGGCATACCAATCTGTGTGTGGAGGAGACGGCAGCCTCACCGGAGCTAACATC
TTCAGGACCGAGTGGACTGGACTGCTGGCTGAACGGTCAAGAAAGGCCGGATACCGACACCC
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pklr

>AF246146.s.om.10 (*pklr*)
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ATCGTCGGTAACAAGAAGTCCTCAGGTGGCACGTCAAGGCCAGCTGCTGAGGGGTGTTC
CAGTGCTGTTCCACCCCCCTCCCTGCCCGTCTGGCCGATGATGTAGACAACAGAGTCACCT
CGGCATGAACATAGGAAAGGCCAGGGCTTCTCAAGACAGGTGACATGGTATCGTGGTACC
GGCTGGATCCCTGGTCTGGTCACACTAACATCATGAGGGCAGTCCACGTGCCCTAACACTCT
GTTCTATTGGACACTACCAACTGACTGGCTGACAGGCCACCAATCCTAAGTGGCACATAGCCTA
ACAGACACACTAACTGGAACACTAACTACATAGATAGCATAGAACTAGAATTAAACATTCC
ATGTGGAGATGAAGTACATAAAACAAACAGTTAGAGATTACGATGAAAAGTCATTATTTCC
ATGTTCAATTGAAAGTGTATTAAATGTAGACAATGTTGTGTGTTATTCAATTCTGTCTGGAAAGCA
CTGCCTCTCCAAATAAGCTTGGAGCATAACCTT

> AF246146.s.om.10 (*pklr*) deduced partial amino acids sequence
AEGSDVANAVLDGADCVMLSGETAKGLFPVESVAMMHSICREAEEAIFQQQLFEELRRPLSNDPT
EVTAGAVESSFKCCAGAVLTTGRSAQLLSRYRPRCPIVAVTRSPQVARQAQQLRGVFPVLFHPLP
APVWADDVDNRVNFGMNIKGFFKTGDMVIVVTGWIPGSGHTNIMRAVHVP

Fig. S2. Coding and deduced amino acid sequences of the newly identified genes.

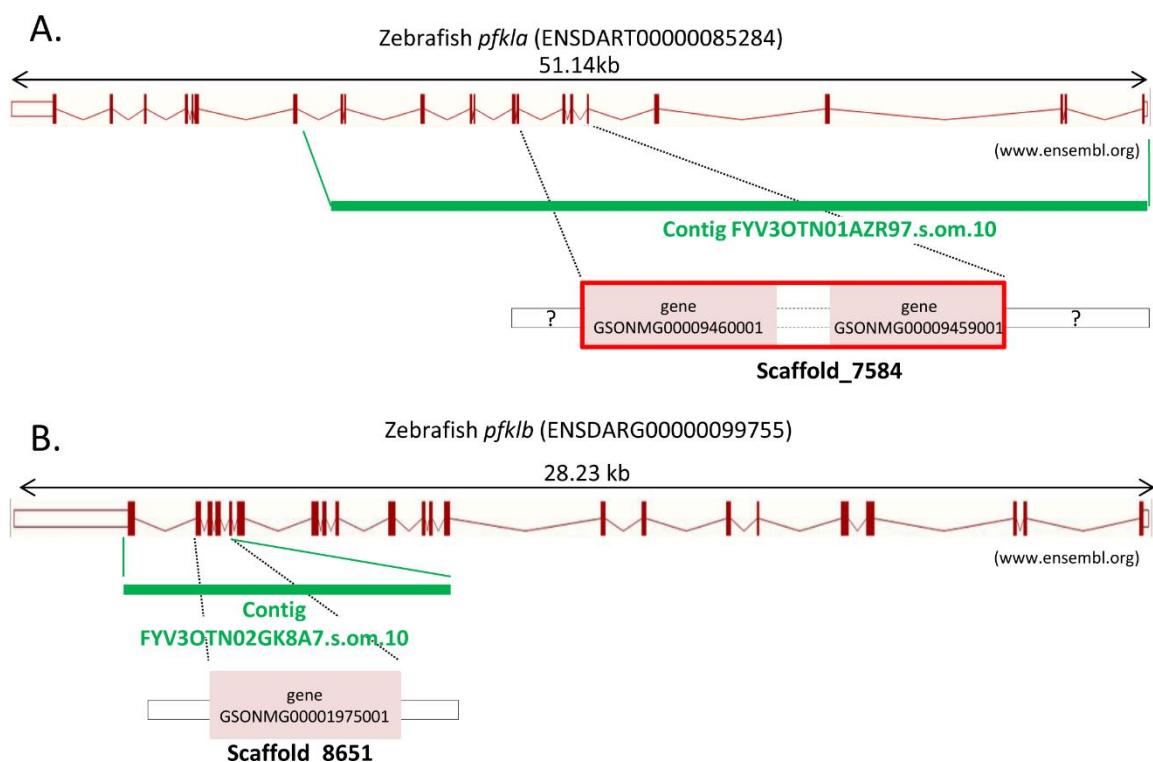


Fig. S3. Identification of rainbow trout *pfk* predicted genes in databases.