

## SUPPLEMENTAL MATERIAL

Goldberg and Sharp, <http://www.jem.org/cgi/content/full/jem.20111487/DC1>

**Table S1.** Tiling siPKM2 sequences, representing every possible 19-mer siRNA containing at least one mismatch between the M1 (exon 9) and M2 (exon 10) isoforms of human pyruvate kinase

siRNA	Sense stand sequence
si1	gcgcaugcagcaccugAUU
si2	cgcgaugcagcaccugAUUG
si3	gcaugcagcaccugAUUGC
si4	caugcagcaccugAUUGCC
si5	augcagcaccugAUUGCCC
si6	ugcagcaccugAUUGCCCC
si7	geagcaccugAUUGCCCCG
si8	cagcaccugAUUGCCCCGUG
si9	agcaccugAUUGCCCCGUGA
si10	gcaccugAUUGCCCCGUGAG
si11	caccugAUUGCCCCGUGAGG
si12	accugAUUGCCCCGUGAGGC
si13	ccugAUUGCCCCGUGAGGC
si14	cugAUUGCCCCGUGAGGCAG
si15	ugAUUGCCCCGUGAGGCAGA
si16	gAUUGCCCCGUGAGGCAGAG
si17	AUUGCCCCGUGAGGCAGAGG
si18	UUGCCCCGUGAGGCAGAGGC
si19	UGCCCCGUGAGGCAGAGGC
si20	GCCCCGUGAGGCAGAGGCUG
si21	CCCGUGAGGCAGAGGCUGC
si22	CCGUGAGGCAGAGGCUGCC
si23	CGUGAGGCAGAGGCUGCCA
si24	GUGAGGCAGAGGCUGCCAU
si25	UGAGGCAGAGGCUGCCAUC
si26	GAGGCAGAGGCUGCCAUCU
si27	AGGCAGAGGCUGCCAUCUA
si28	GGCAGAGGCUGCCAUCUAC
si29	GCAGAGGCUGCCAUCUACC
si30	CAGAGGCUGCCAUCUACCA
si31	AGAGGCUGCCAUCUACCA
si32	GAGGCUGCCAUCUACCA
si33	AGGCUGCCAUCUACCAUU
si34	GGCUGCCAUCUACCAUUG
si35	GCUGCCAUCUACCAUUGC
si36	CUGCCAUCUACCAUUGCA
si37	UGCCAUCUACCAUUGCAA
si38	GCCAUCUACCAUUGCAAU
si39	CCAUCUACCAUUGCAAUU
si40	CAUCUACCAUUGCAAUUA
si41	AUCUACCAUUGCAAUUUAU
si42	UCUACCAUUGCAAUUUAUU
si43	CUACCAUUGCAAUUUAUUU
si44	UACCAUUGCAAUUUAUUUG
si45	ACCACUUGCAAUUUAUUUGA
si46	CCACUUGCAAUUUAUUUGAG
si47	CACUUGCAAUUUAUUUGAG

**Table S1.** Tiling siPKM2 sequences, representing every possible 19-mer siRNA containing at least one mismatch between the M1 (exon 9) and M2 (exon 10) isoforms of human pyruvate kinase (*Continued*)

siRNA	Sense stand sequence
si48	ACUUGCAAUUAUUUGAGGA
si49	CUUGCAAUUAUUUGAGGAA
si50	UUGCAAUUAUUUGAGGAAC
si51	UGCAAUUAUUUGAGGAACU
si52	GCAAUUAUUUGAGGAACUC
si53	CAAUUAUUUGAGGAACUCC
si54	AAUUAUUUGAGGAACUCCG
si55	AUUAUUUGAGGAACUCCGC
si56	UUAUUUGAGGAACUCCGCC
si57	UAUUUGAGGAACUCCGCCG
si58	AUUUGAGGAACUCCGCCGC
si59	UUUGAGGAACUCCGCCGCC
si60	UUGAGGAACUCCGCCGCCU
si61	UGAGGAACUCCGCCGCCUG
si62	GAGGAACUCCGCCGCCUGG
si63	AGGAACUCCGCCGCCUGGC
si64	GGAACUCCGCCGCCUGGCG
si65	GAACUCCGCCGCCUGGCGC
si66	AACUCCGCCGCCUGGCGCC
si67	ACUCCGCCGCCUGGCGCCC
si68	CUCCGCCGCCUGGCGCCCC
si69	UCCGCCGCCUGGCGCCCCAU
si70	CCGCCGCCUGGCGCCCCAUU
si71	CGCCGCCUGGCGCCCCAUUA
si72	GCCGCCUGGCGCCCCAUUAC
si73	CCGCCUGGCGCCCCAUUACC
si74	CGCCUGGCGCCCCAUUACCA
si75	GCCUGGCGCCCCAUUACCAAG
si76	CCUGGCGCCCCAUUACCAAGC
si77	CUGGCGCCCCAUUACCAAGCG
si78	UGGCGCCCCAUUACCAAGCGA
si79	GGCGCCCCAUUACCAAGCGAC
si80	GCGCCCCAUUACCAAGCGAC
si81	CGCCCCAUUACCAAGCGACCC
si82	GCCCCAUUACCAAGCGACCCCC
si83	CCCAUUACCAAGCGACCCCCA
si84	CCAUUACCAAGCGACCCCCAC
si85	CAUUACCAAGCGACCCCCACAG
si86	AUUACCAAGCGACCCCCACAGA
si87	UUACCAAGCGACCCCCACAGA
si88	UACCAAGCGACCCCCACAGAA
si89	ACCAGCGACCCCCACAGAAAG
si90	CCAGCGACCCCCACAGAAAGC
si91	CAGCGACCCCCACAGAAAGCC
si92	AGCGACCCCCACAGAAAGCCA
si93	GCGACCCCCACAGAAAGCCAC
si94	CGACCCCCACAGAAAGCCACC
si95	GACCCCCACAGAAAGCCACCG
si96	ACCCCCACAGAAAGCCACCGC
si97	CCCCACAGAAAGCCACCGCC
si98	CCCACAGAAAGCCACCGCCG
si99	CCACAGAAAGCCACCGCCGU

**Table S1.** Tiling siPKM2 sequences, representing every possible 19-mer siRNA containing at least one mismatch between the M1 (exon 9) and M2 (exon 10) isoforms of human pyruvate kinase (*Continued*)

siRNA	Sense stand sequence
si100	CACAGAACGCCACCGCCGUG
si101	ACAGAACGCCACCGCCGUGG
si102	CAGAACGCCACCGCCGUGGG
si103	AGAACGCCACCGCCGUGGGU
si104	GAAGCCACCGCCGUGGGUG
si105	AAGCCACCGCCGUGGGUGC
si106	AGCCACCGCCGUGGGUGCC
si107	GCCACCGCCGUGGGUGCCG
si108	CCACCGCCGUGGGUGCCGU
si109	CACCGCCGUGGGUGCCGUG
si110	ACCGCCGUGGGUGCCGUGG
si111	CCGCGUGGGUGCCGUGGA
si112	CGCCGUGGGUGCCGUGGAG
si113	GCCGUGGGUGCCGUGGAGG
si114	CCGUGGGUGCCGUGGAGGC
si115	CGUGGGUGCCGUGGAGGCC
si116	GUGGGUGCCGUGGAGGCCU
si117	UGGGUGCCGUGGAGGCCUC
si118	GGGUGCCGUGGAGGCCUCC
si119	GGUGCCGUGGAGGCCUCCU
si120	GUGCCGUGGAGGCCUCCUU
si121	UGCCGUGGAGGCCUCCUUC
si122	GCCGUGGAGGCCUCCUUC
si123	CCGUGGAGGCCUCCUUCAA
si124	CGUGGAGGCCUCCUUCAAAG
si125	GUGGAGGCCUCCUUCAAAGU
si126	UGGAGGCCUCCUUCAAAGUG
si127	GGAGGCCUCCUUCAAAGUGC
si128	GAGGCCUCCUUCAAAGUGCU
si129	AGGCCUCCUUCAAAGUGCUG
si130	GGCCUCCUUCAAAGUGCUGC
si131	GCCUCCUUCAAAGUGCUGCA
si132	CCUCCUUCAAAGUGCUGCAG
si133	CUCCUUCAAAGUGCUGCAGU
si134	UCCUUCAAAGUGCUGCAGUG
si135	CCUUCAAGUGCUGCAGUGG
si136	CUUCAAGUGCUGCAGUGGG
si137	UUCAAGUGCUGCAGUGGGG
si138	UCAAGUGCUGCAGUGGGGC
si139	CAAGUGCUGCAGUGGGGCC
si140	AAGUGCUGCAGUGGGGCCA
si141	AGUGCUGCAGUGGGGCCAU
si142	GUGCUGCAGUGGGGCCAU
si143	UGCUGCAGUGGGGCCAUAA
si144	GCUGCAGUGGGGCCAUAAA
si145	CUGCAGUGGGGCCAUAAUC
si146	UGCAGUGGGGCCAUAAUCG
si147	GCAGUGGGGCCAUAAUCGU
si148	CAGUGGGGCCAUAAUCGUC
si149	AGUGGGGCCAUAAUCGUCC
si150	GUGGGGCCAUAAUCGUCCU
si151	UGGGGCCAUAAUCGUCCUC

**Table S1.** Tiling siPKM2 sequences, representing every possible 19-mer siRNA containing at least one mismatch between the M1 (exon 9) and M2 (exon 10) isoforms of human pyruvate kinase (*Continued*)

siRNA	Sense strand sequence
si152	GGGGCCAUAU <u>A</u> UCGUCCUCA
si153	GGGCAU <u>A</u> AU <u>C</u> GUCCUCAC
si154	GGCCAUA <u>A</u> UCGUCCUCACC
si155	GCCAUAAU <u>C</u> GUCCUCACCA
si156	CCAUAU <u>C</u> GUCCUCACCAA
si157	CAUAAU <u>C</u> GUCCUCACCAAG
si158	AUAAAUCGUCCUCACCAAGU
si159	UAAAUCGUCCUCACCAAGUC
si160	AAUCGUCCUCACCAAGUCU
si161	AUCGUCCUCACCAAGUCUG
si162	UCGUCCUCACCAAGUCUGG
si163	CGUCCUCACCAAGUCUGGC
si164	GUCCUCACCAAGUCUGGC
si165	UCCUCACCAAGUCUGGCAG
si166	CCUCACCAAGUCUGGCAGg
si167	CUCACCAAGUCUGGCAGgu
si168	UCACCAAGUCUGGCAGguc
si169	CACCAAGUCUGGCAGgucu
si170	ACCAAGUCUGGCAGgucug
si171	CCAAGUCUGGCAGgucugc
si172	CAAGUCUGGCAGgucugec
si173	AAGUCUGGCAGgucugec
siControl	CUUACGCUGAGUACUUCGA
siPK	GGACCUGAGAUCCGAACUG

The number of mismatches between the two isoforms ranges from one (si1, si173) to 15 (si76). Mismatches are shown in bold. Nucleotides from neighboring exons 8 and 11 are shown in lowercase. The sequences of the negative control (siControl) and positive control (siPK, a commercially available sequence that targets a region in exon 5, which is common to both isoforms) are also given. All sequences have UU appended to 3' termini.