

PUTATIVE TARGETS miR-140-3p(seed ACCACAG)

**ACVR2B 3' UTR**

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          CAGGCACCAAGAUGG---GACACCAU   miR   (8mer)
                ||||           |||||
GCAGUGGAUCUUUGUCCUUUUUACUGUGGUAUUUUUAGAAAUGAGUG   hsa
GCAGUGGAUCUUUGUCCUUUUUACUGUGGUAUUUUUAGAAAUGAGUG   ptr
GCAGUGGAUCUUUGUCCUUUUUACUGUGGUAUUUUUAGAAAUGAGUG   mml
GC-GUGGCUCUUUGCUCUUUUUCCUGUGGUAUUUUUAGAAACGAGUG   mmu
UGCUGAAUCCUCGCUCCUUUUUCCUGUGGUAUUUUUAG-AAACGAGU   rno
GCAGUGGAUCUUUGUCCUUUUUACUGUGGUAUUUUUAGAAAUGAGUG   cfa
GCAGUGGAUCUUUGUCCUUUUUACUGUGGUAUUUUUAGAAAUGAGUG   eca
GCAGUGGAUCUUUGUUC-UUUUUACUGUGGUAUUUUUAGAAAUGAGUG   bta
GCAGUGGAUCUUUGUCCUUUUUACUAUAGUAUUUUUAGAAAUGAGUG   ssc
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          CAGGCACCAAGAUGGGACACCAU       miR   (8mer/7mer-A1)
                |||||
UGGUUUGAUUUUGUGCUGUGGUA-UUUUUUUUCCCUUAGAAUAAUUUU   hsa
UGGUUUGAUUUUGUGCUGUGGUA-UUUUUUCUCCCUUAGAAUAAUUUU   ptr
UGGUUUGAUUUUGUGCUGUGGUA-UUUUUUCUCCCUUGGAAUAAUUUU   mml
--AUCUGAUUUUGUGCUGUGGUA--UUUUUCUUGUCUCAGAAUACUUUC   mmu
-----UUUUUGUGCUGUGGUAUUUUUUUUUGUUUCAGACUACUUUC   rno
----AUUAUUUUUGUGCUGUGGUA-UUUUUUCUCCCUUGGAAUAAUUUU   cfa
----ACUAUUUUUGUGCUGUGGUA-UUUUUUCUCCCUUGGAAUAAUUUU   eca
UAAAACUAUUUUUGUGCUGUGGUAUUUUUUCCUCCCUUGGAAUAAUUUU   bta
UAAAGU-AUUUUUGUGGUGUGGUA-UUUUUUCUCCCUUGGAAUAAUUUU   ssc
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PUTATIVE TARGETS isomiR mir-140-3p (seed CCACAGG)

**LPAR2 3' UTR**

CAGGCACCAAGAUGGGACACCA isomiR (8mer/7mer-A1)

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UCA--CUGCGU-AUCCUUGGUAAGCCUGUGGACUGGUUCCUG	hsa
UCA--CUGCGU-AUCCUUGGUAAGCCUGUGGACUGGUUCCUG	ptr
UCA--CUGUGU-AUCCUUGGUAAGCCUGUGGACUG-UUCCUG	mml
UUA--CUGUGUUAUCUCUGG--AUGUCUGUGGACUGCUGCUUC	mmu
UUA--CUGUAC-AUCUCUGGC-AUGUCUGUGGACUGCUGCUUC	rno
UUA--CCACUC-AUCCCUGGUA AACCCUGUGGACUACUCCCU	cfa
UUA--CUGCAU-AUCCCUGGUAACUCUGUGGACUGCUAUCUC	eca
UUUUUCUGCAC-AUGCCUGGUAACCCUGUGGACUGCUUUCUU	bta
UUA--CCACAC-AUCCCUGGUAACUCUGUGGACUGCUUCCUU	ssc

**LIF 3' UTR**

CAGGCACCAAGAUGGGACACCA isomiR (7mer-m8)

|||||||

UUUGAUGAAUGUACCCUGUGGGGAUGUUUCAUACUGACAGAUU	hsa
UUUGAUGAAUGUACCCUGUGGGGAUGUUUCAUACUGACAGAUU	ptr
UU-GAUGAAUGUACCCUGUGGGGAUGUUUCAUACUGACAGAUU	mml
UUUGAUGAAUGUACCCUGUGGGGAUGUUUCAUACUGACAGAUU	mmu
UUUGAUGAAUGUACCCUGUGGGGAUGUUUCAUACUGACAGAUU	rno
UUUGAUGAAUGUACCCUGUGGGGAUGUUUCAUACUGACAGAUU	cfa
UUUGAUGAAUGUACCCUGUGGGGAUGUUUCAUACUGACAGAUU	eca
UUUGAUGAAUGUACCCUGUGGGGAUGUUUCAUACUGACAGAUU	bta
UUUGAUGAAUGUACCCUGUGGGGAUGUUUCAUACUGACAGGUU	ssc

COMMON PUTATIVE TARGETS miR-140-3p (seed ACCACAG) and isomiR miR-140-3p(seed CCACAGG)

**KCNMA1 3' UTR**

CAGGCACCAAGAUGGGACACCAU miR (7mer-m8/6mer)

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          |||||
GUAGGCAUUGUCCUGCAGUGAUUUGUCGGACUGUGGUUACUCUG   hsa
GUAGGCAUUGUCCUGCAGUGACUUGUCAGACUGUGGUUACUCUG   ptr
GUAGGCAUUGUCCUGCAGUGACUUGUCGGACUGUGGUUACUCUG   mml
GUAGGCGUUGUCCUGCAGUGACUUGUCAGACUGUGGUUACUCUG   mmu
GUAGGCAUUGUCCUGCAGUGACCUGUCGGACUGUGGUUACUCUG   rno
GUAGGCGCCGUCCUGAAGUGACUUGUCAGACUGUGGUUACCCUG   cfa
AUAAGCGCCAUCCUAAAAGUGACUUGUCAGACUGUGGCUACCGUG   eca
GUAGGCGUCGUCCUGAAGUGACUUGUCAGACUGUGGUUACCCUG   bta
GUAGGUGCUGUCCUGAAGUGACUUGUCAGACCGUGGUUACCCUG   ssc
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CAGGCACCAAGAUGGGACACCAU miR (8mer)

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          |||||
CUUUGGGCCAUGA-CCUGUGGUACCUAGUUAUGGUAGUGCAAU   hsa
CUUUGGGCCAUGA-UCUGUGGUACCUAGUUAUGGUAGUGCAAU   ptr
CUUUGGACCAUGA-CCUGUGGUACCUAGUUAUGGUAGUGCAAU   mml
CUUUAGGCCAUGAUUCUGUGGUACCUAGUUAUGAUAGUACAAU   mmu
CUUUAGGCCAUGACUCAGUGGU-CCUAGUUAUGAUAGUAAAAU   rno
CUUUAGGCCAUGACCCUGUGGCACUUAGU-AUAUUAGUGCAAU   cfa
CUUUAGGCCAUGACCCUGUGGUACCUAGU-AUGUUAGUGCAAU   eca
-----GGCCAUGACCCAUUGGUA-CAUAGUAUGUUACUGCAAU   bta
CAUUAGGCCAUGACCCUGUGGUACCUAGU-AUGUUAGUGCAAU   ssc
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CAGGCACCAAGAUGGGACACCA isomiR (7mer-m8)

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          |||||
UUAACUCUUUGGGCCAUGA-CCUGUGGUACCUAGUUAUGGUAGU   hsa
UUAACUCUUUGGGCCAUGA-UCUGUGGUACCUAGUUAUGGUAGU   ptr
UUAACUCUUUGGACCAUGA-CCUGUGGUACCUAGUUAUGGUAGU   mml
UGAACUCUUUAGGCCAUGAUUCUGUGGUACCUAGUUAUGAUAGU   mmu
UGAACUCUUUAGGCCAUGACUCAGUGGU-CCUAGUUAUGAUAGU   rno
UUAUUUCUUUAGGCCAUGACCCUGUGGCACUUAGU-AUAUUAGU   cfa
UUAUUUCUUUAGGCCAUGACCCUGUGGUACCUAGU-AUGUUAGU   eca
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CUAUUCCAUUAGGCCAUGACCCUGUGGUACCUAGU-AUGUUAGU   bta
CUAUUCCAUUAGGCCAUGACCCUGUGGUACCUAGU-AUGUUAGU   ssc
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**SIRT1 3' UTR**

CAGGCACCAAGAUGGGACACCAU miR (8mer)  
| | | | | | | |  
UGUUUAAAUAACCUAUCACUGUGGUAGAGCUUGCAUUGA-UCUUUUCCAC hsa  
UGUUUAAAUAACCUAUCACUGUGGUAGAGCUUGCAUUGA-UCUUUUCCAC ptr  
--UA-AAUAC-CUAUCACUGUGGUAGAGCUUGCAUUGA-UCUUUUCCAC mml  
UAAUUAAAUAACCUAUCACUGUGGUAGAGCCUCAUAGA-UCUUCACCAC mmu  
UAAUUAAAUAACCUAUCACUGUGGUAGAGCCUCAUAGA-UCUUCACCAC rno  
UGUUUAAAUAACCUAUCACUGUGGUAGAGCUUGCAUUGCUUCUUUCCAC cfa  
UGUUUAAAUAACCUAUCACUGUGGUAGAGCAUGCACUGAUCCUUUCCAC eca  
UGUUUAAACACCUAUCACUGUGGUAGAGCUUGCAUUGA-UCCUUUCCAC bta  
UGUUUAAAUAACCUAUCACUGUGGUAGAGCUUGCAUUGAUCCUUUCCAC scc

CAGGCACCAAGAUGGGACACCA isomiR (7mer-m8)  
| | | | | | | |  
CGUUCAAAUGAAGAUGG-CUUUUGUACUCCUGUGGACAUGUAGCAAUG hsa  
CGUUCAAAUGAAGAUGG-CUUUUGUACUCCUGUGGACAUGUAGUAAUG ptr  
UGUUCAAAUGAAGAUGG-CUUUUGUACUCCUGUGGACAUGUAGUAAUG mml  
UGC-----AUCG-UUUUUGUACUUGCUGCAGAC-GUG--G-UAA mmu  
UGC-----AUGGUUUUUUGUACUUGCUGCAGAC-GUG--G-UAA rno  
UGU-----UGAAGAUGG-CUUUUGUACUCCUGUGGACAUGUAGUAAUG cfa  
UGUUCAAAUGAAGAUGG-CUUUUGUACUCCUGUGGACAUGUAGUAAUG eca  
CGUUCAAAUGAAGAUCG-CUUUUGUACUCCUGUGGACAUGUAGUAAUG bta  
UGUUCAAAUGAAGAUGG-CUUUUGUACUCCUGUGGACAUGUGGUAUG ssc