S1: Details about the shRNA used in the study

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| --- | --- | --- | --- |
| shRNA | TRC Identifier | NM number | Sequence (5’-3’) |
| ATAD2 shRNA a | TRCN0000158789 | NM\_014109.2-4327s1c1 | GCCTAATTGATGTAGTATGAA |
| ATAD2 shRNA b | TRCN0000163392 | NM\_014109.2-1324s1c1 | GCCGATGTTGATCCAATGCAA |
| ATAD2 shRNA c | TRCN0000158771 | NM\_014109.2-4433s1c1 | GTCATGTGTAAGATAACTGAT |
| ATAD2 shRNA d | TRCN0000162701 | NM\_014109.2-3109s1c1 | CGAGTGTTTACTAAGCCTGTT |
| ATAD2 shRNA e | TRCN0000161812 | NM\_014109.2-4753s1c1 | CCAGAGTGCAAGTCATGATTT |
| ATAD2 shRNA f | TRCN0000159158 | NM\_014109.2-563s1c1 | GTAGGATTAGAAGTCGTTATA |
| MYC shRNA a | TRCN0000039642 | NM\_002467.2-1377s1c1 | CCTGAGACAGATCAGCAACAA |
| MYC shRNA b | TRCN0000039639 | NM\_002467.2-1552s1c1 | CCCAAGGTAGTTATCCTTAAA |
| MYC shRNA c | TRCN0000039640 | NM\_002467.2-1657s1c1 | CAGTTGAAACACAAACTTGAA |