Dysregulation of Host Cellular microRNA Expression by the Human Papillomavirus E6 and E7 Oncoproteins

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<table>
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<tr>
<th>#</th>
<th>miR</th>
<th>hsa-miR</th>
<th>MIRBase</th>
<th>Function</th>
<th>Diseases</th>
<th>PMIDs</th>
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<tbody>
<tr>
<td>43</td>
<td>miR-221</td>
<td>hsa-miR-221-3p</td>
<td>agcucaauugucugcuggguuc</td>
<td>YES</td>
<td>hepatocellular carcinoma, prostate cancer, NSCLC, ovarian cancer, gastric cancer</td>
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<td>miR-222</td>
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<td>agcucaauugcuguacuggg</td>
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<td>acute lymphoblastic leukemia, ESCC (x2), hepatocellular carcinoma (x2), NSCLC (x3), gastric cancer, breast cancer</td>
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<td>ugucagauugucuauacccc</td>
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<td>cauugcaguucgcugcgucuga</td>
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<td>miR-26a</td>
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<td>uucaaguaauccaggauaggcu</td>
<td>YES</td>
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<td>49</td>
<td>miR-27b</td>
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<td>uucacagggcuaaguccgc</td>
<td>YES</td>
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<td>PMID: 21544802, PMID: 24651474, PMID: 22105822, PMID: 22617246, PMID: 24466274, PMID: 23542579, PMID: 24595006, PMID: 24390317</td>
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<td>miR-29b</td>
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<td>uagcaccauuugaaaucaguguu</td>
<td>YES</td>
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<td>52</td>
<td>miR-30a</td>
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<td>aaaaacguggguagagggcga</td>
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<td>miR-30c</td>
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<td>YES</td>
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<td>miR-34a</td>
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<td>uggcagugucuuagcugguugu</td>
<td>YES</td>
<td>multiple myeloma, DLBCL, breast cancer, colorectal cancer, gastric cancer</td>
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<td>osteosarcoma</td>
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<td>miR-375</td>
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<td>uagcaccaauucuauacugauu</td>
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<td>miR-376c</td>
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<td>acuggcagugugugacgaacg</td>
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<td>gaauguugcucggugaccccu</td>
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<td>aacccgguaccuauacagagu</td>
<td>NO</td>
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<td>aagacgggaggaaagaagggag</td>
<td>NO</td>
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<td>uccuguacagucgucggcag</td>
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<td>accacuacauacuacaccaaccaca</td>
<td>NO</td>
<td>prostate cancer, NSCLC, breast cancer</td>
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<td>gacuauacacacaacucccucu</td>
<td>NO</td>
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<td>ucuuuggauuaucaugcuauga</td>
<td>YES</td>
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</table>
68 miR-93-5p hsa-mir-93-5p caaagugcuguucgugcagguag YES acute myeloid leukemia, NSCLC, breast cancer (x2), ovarian cancer
69 x-control x-control x-control N/A internal reference
70 blank blank blank N/A internal reference

References

PMID:


