

Дополнительная таблица S1. Гены регуляторы метаболических путей и взаимодействующие с ними микроРНК для миристиновой кислоты и фосфатидилинозитола.

	Метаболиты	Гены регуляторы	микро-РНК
1	Фосфатидил инозитол (34:1)	<i>PIK3CA, PIK3CB, PIK3C2A, PLCB1, PIGL</i>	PIGL: hsa-miR-4651, hsa-miR-5087, hsa-miR-6499-3p, hsa-miR-6739-3p, hsa-miR-6764-5p, hsa-miR-212-5p, hsa-miR-659-3p, hsa-miR-3189-3p, hsa-miR-3934-3p, hsa-miR-378g, hsa-miR-4519, hsa-miR-6819-5p. PIK3C2A: hsa-miR-503-5p, hsa-miR-301b-3p, hsa-miR-6838-5p, hsa-miR-23a-5p, hsa-miR-29a-5p, hsa-miR-23b-5p, hsa-miR-510-5p, hsa-miR-1264, hsa-miR-2113, hsa-miR-1286, hsa-miR-3619-3p, hsa-miR-4423-3p, hsa-miR-4436a, hsa-miR-4484, hsa-miR-1343-3p, hsa-miR-6074, hsa-miR-6760-3p, hsa-miR-6867-5p, hsa-miR-212-5p, hsa-miR-150-5p, hsa-miR-378a-5p, hsa-miR-518a-5p, hsa-miR-1224-3p, hsa-miR-764, hsa-miR-6821-3p PIK3CA: hsa-let-7i-5p, hsa-let-7e-5p, hsa-miR-19a-3p, hsa-miR-19b-3p, hsa-let-7g-5p, hsa-miR-152-3p, hsa-miR-202-5p, hsa-miR-4429, hsa-miR-198, hsa-miR-548e-5p, hsa-miR-548o-3p, hsa-miR-2114-5p, hsa-miR-4430, hsa-miR-4493, hsa-miR-4659b-3p, hsa-miR-122b-5p, hsa-miR-4803, hsa-miR-5006-3p, hsa-miR-6797-3p, hsa-miR-1972, hsa-miR-2116-5p, hsa-miR-3157-5p, hsa-miR-3191-5p, hsa-miR-514b-5p, hsa-miR-4303, hsa-miR-4277, hsa-miR-3606-5p, hsa-miR-3614-3p, hsa-miR-3679-3p, hsa-miR-676-5p, hsa-miR-378g, hsa-miR-4446-5p, hsa-miR-4477b, hsa-miR-4486, hsa-miR-4652-3p, hsa-miR-6819-5p, hsa-miR-6857-5p, hsa-miR-6868-3p, hsa-miR-6893-3p, hsa-miR-7162-3p, hsa-miR-10526-3p, hsa-miR-12126, hsa-miR-139-5p, hsa-miR-422a PIK3CB: hsa-miR-23b-3p, hsa-miR-362-5p, hsa-miR-3666 hsa-miR-3064-5p, hsa-miR-4465, hsa-miR-199a-3p, hsa-miR-199b-3p, hsa-miR-212-5p, hsa-miR-150-5p, hsa-miR-6504-5p, hsa-miR-204-3p, hsa-miR-671-5p, hsa-miR-1263, hsa-miR-3646, hsa-miR-4430, hsa-miR-4682, hsa-miR-5093, hsa-miR-6165, hsa-miR-6715a-3p, hsa-miR-7850-5p, hsa-miR-9500, hsa-miR-130b-5p, hsa-miR-3619-5p, hsa-miR-32-3p, hsa-miR-623, hsa-miR-542-5p, hsa-miR-548j-5p, hsa-miR-544b, hsa-miR-3614-5p, hsa-miR-3652, hsa-miR-548aw, hsa-miR-5703, hsa-miR-8077, hsa-miR-2117 PLCB1: hsa-miR-103a-3p, hsa-miR-107, hsa-miR-423-5p, hsa-miR-3129-5p, hsa-miR-139-5p, hsa-miR-124-3p, hsa-miR-138-1-3p, hsa-miR-302c-5p, hsa-miR-876-5p, hsa-miR-1244, hsa-miR-1322, hsa-miR-548s, hsa-miR-4267, hsa-miR-3692-3p, hsa-miR-4433a-3p, hsa-miR-4436a, hsa-miR-3978, hsa-miR-4647, hsa-miR-4659a-3p, hsa-miR-4670-3p, hsa-miR-5194, hsa-miR-548az-3p, hsa-miR-6783-3p, hsa-miR-6860, hsa-miR-7151-5p, hsa-miR-8056, hsa-miR-8063, hsa-miR-502-3p
2	Миристинов ая кислота	<i>PPARA, PPARGC1A, CYP4Z1, IYD, FASN, PLA2G5, LGALS13</i>	IYD: hsa-miR-760, hsa-miR-29a-5p, hsa-miR-208a-5p, hsa-miR-30b-3p, hsa-miR-184, hsa-miR-195-3p, hsa-miR-320a-3p, hsa-miR-373-5p, hsa-miR-483-3p, hsa-miR-551b-5p, hsa-miR-643, hsa-miR-646, hsa-miR-1224-5p, hsa-miR-320b

		hsa-miR-922, hsa-miR-1202, hsa-miR-1205, hsa-miR-1287-3p, hsa-miR-513c-3p, hsa-miR-1321, hsa-miR-3144-3p, hsa-miR-3152-5p, hsa-miR-3185, hsa-miR-3191-5p, hsa-miR-3199, hsa-miR-514b-5p, hsa-miR-4279, hsa-miR-3663-5p, hsa-miR-3681-5p, hsa-miR-3689a-3p, hsa-miR-3689b-3p, hsa-miR-4429, hsa-miR-4452, hsa-miR-3689c, hsa-miR-4531, hsa-miR-4533, hsa-miR-3972, hsa-miR-3976, hsa-miR-451b, hsa-miR-4731-5p, hsa-miR-4796-3p, hsa-miR-4799-3p, hsa-miR-5003-3p, hsa-miR-5195-3p, hsa-miR-5588-5p, hsa-miR-6509-3p, hsa-miR-6737-5p, hsa-miR-6737-3p, hsa-miR-6752-3p, hsa-miR-6764-3p, hsa-miR-6779-5p, hsa-miR-6780a-5p, hsa-miR-6824-3p, hsa-miR-6829-5p, hsa-miR-6830-5p, hsa-miR-6849-5p, hsa-miR-6849-3p, hsa-miR-6882-5p, hsa-miR-6894-3p, hsa-miR-7106-5p, hsa-miR-7844-5p, hsa-miR-8052, hsa-miR-8069, hsa-miR-8078, hsa-miR-146a-5p, hsa-miR-607, hsa-miR-3614-5p, hsa-miR-4482-3p, hsa-miR-197-3p, hsa-miR-744-3p, hsa-miR-3187-3p, hsa-miR-3652, hsa-miR-4420, hsa-miR-4430, hsa-miR-4633-5p, hsa-miR-4642, hsa-miR-4781-3p, hsa-miR-5698, hsa-miR-6499-3p, hsa-miR-6787-3p, hsa-miR-6843-3p, hsa-miR-6848-3p, hsa-miR-588, hsa-miR-4423-5p, hsa-miR-6501-5p. CYP4Z1: hsa-miR-2110, FASN: hsa-miR-30c-5p, LGALS13: hsa-miR-4650-3p. PLA2G5: hsa-miR-765, hsa-miR-3682-3p, hsa-miR-4533, hsa-miR-2467-3p, hsa-miR-4786-3p, hsa-miR-1253, hsa-miR-3191-5p, hsa-miR-6847-5p, hsa-miR-11181-3p, hsa-miR-3916. PPARA: hsa-miR-181a-5p, hsa-miR-181b-5p, hsa-miR-20b-5p, hsa-miR-181d-5p, hsa-miR-22-3p, hsa-miR-140-5p, hsa-miR-372-3p, hsa-miR-330-5p, hsa-miR-331-3p, hsa-miR-345-3p, hsa-miR-520d-3p, hsa-miR-551b-5p, hsa-miR-619-5p, hsa-miR-622, hsa-miR-2113, hsa-miR-665, hsa-miR-939-3p, hsa-miR-1976, hsa-miR-3116, hsa-miR-3183, hsa-miR-4251, hsa-miR-3690, hsa-miR-550b-2-5p, hsa-miR-4436a, hsa-miR-4443, hsa-miR-4515, hsa-miR-4717-5p, hsa-miR-4723-5p, hsa-miR-4745-5p, hsa-miR-4749-5p, hsa-miR-4755-3p, hsa-miR-5591-5p, hsa-miR-6126, hsa-miR-6131, hsa-miR-6134, hsa-miR-6505-3p, hsa-miR-6734-3p, hsa-miR-6744-3p, hsa-miR-6753-3p, hsa-miR-6766-5p, hsa-miR-6791-5p, hsa-miR-6805-3p, hsa-miR-6817-5p, hsa-miR-6852-5p, hsa-miR-6873-3p, hsa-miR-6880-5p, hsa-miR-7151-3p, hsa-miR-8071, hsa-let-7b-5p, hsa-let-7e-5p, hsa-miR-224-3p, hsa-miR-302a-3p, hsa-miR-326, hsa-miR-335-3p, hsa-miR-429, hsa-miR-511-5p, hsa-miR-8085, hsa-miR-10394-5p, hsa-miR-10524-5p, hsa-miR-9851-5p, hsa-miR-7107-3p, hsa-miR-7110-3p, hsa-miR-7155-3p, hsa-miR-7158-3p, hsa-miR-7976, hsa-miR-1233-5p, hsa-miR-4651, hsa-miR-6757-5p, hsa-miR-6778-5p, hsa-miR-27a-5p, hsa-miR-34a-5p, hsa-miR-130b-5p, hsa-miR-196b-5p, hsa-miR-607, hsa-miR-1249-5p, hsa-miR-3689d, hsa-miR-5006-5p, hsa-miR-6756-5p, hsa-miR-6788-5p, hsa-miR-6797-5p, hsa-miR-6851-5p. PPARGC1A: hsa-let-7a-5p, hsa-let-7b-5p, hsa-let-7c-5p, hsa-let-7e-5p, hsa-miR-23b-3p, hsa-miR-138-5p, hsa-miR-409-5p, hsa-miR-487a-3p, hsa-miR-193b-3p, hsa-miR-4458, hsa-miR-6884-5p, hsa-miR-23a-3p, hsa-miR-193a-3p, hsa-miR-485-3p, hsa-miR-3666, hsa-miR-3681-3p, hsa-miR-211-5p, hsa-miR-485-5p, hsa-miR-342-5p, hsa-miR-452-5p, hsa-miR-511-5p, hsa-miR-508-5p, hsa-miR-573, hsa-miR-659-3p, hsa-miR-764, hsa-miR-1825, hsa-miR-2116-3p, hsa-miR-2682-3p, hsa-miR-3929, hsa-miR-4436a, hsa-miR-4649-5p, hsa-miR-4664-5p, hsa-miR-4713-5p, hsa-
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