

**The list of tRNA-derived piRNAs in retina and RPE**

<b>td-piRNAs (tRNA-Halves)</b>	<b>tRNAs</b>	<b>Mismatches</b>
piR-hsa-28398	5p-tR-half from tRNA-Cys-GCA-2-1	1
piR-hsa-28876	5p-tR-half from tRNA-Val-AAC-2-1	1
piR-hsa-28322	3p-tR-half from tRNA-Gly-GCC-2-1	1
piR-hsa-28877	5p-tR-half from tRNA-Val-AAC-2-1	1
piR-hsa-28223	5p-tR-half from tRNA-Pro-TGG-2-1	1
piR-hsa-26589	5p-tR-half from tRNA-Ser-GCT-2-1	1
piR-hsa-28116	5p-tR-half from tRNA-iMet-CAT-2-1	1
piR-hsa-26593	5p-tR-half from tRNA-Ser-GCT-2-1	1
piR-hsa-26590	5p-tR-half from tRNA-Ser-GCT-2-1	1
piR-hsa-28374	5p-tR-half from tRNA-Ala-TGC-2-1	1
piR-hsa-28405	5p-tR-half from tRNA-Ala-AGC-2-2	1
piR-hsa-23231	5p-tR-half from tRNA-Glu-CTC-1-5	1
piR-hsa-5937	5p-tR-half from tRNA-Glu-CTC-1-5	1
piR-hsa-5938	5p-tR-half from tRNA-Glu-CTC-1-5	1
piR-hsa-27493	5p-tR-half from tRNA-Gly-GCC-2-1	1
piR-hsa-27620	5p-tR-half from tRNA-Lys-CTT-3-1	0
piR-hsa-27621	5p-tR-half from tRNA-Lys-CTT-3-1	0
piR-hsa-28403	5p-tR half from Ala (AGC)	1
piR-hsa-27622	5p-tR-half from tRNA-Lys-CTT-3-1	0
piR-hsa-28590	5p-tR-half from tRNA-Ser-AGA-2-5	1
piR-hsa-24672	5'tRF tRNA-Glu (CTC)	1

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piR-hsa-28131	5'tRF tRNA-Gly (GCC)	1
piR-hsa-1207	5'tRF tRNA-Gly (GCC)	1

<b>td-piRNAs (tRFs)</b>	<b>tRNAs</b>	<b>Mismatches</b>
piR-hsa-7201	3p-tRF from tRNA-Thr-TGT-6-1	0
piR-hsa-28397	5p-tRF tRNA-Cys-GCA-2-1	1
piR-hsa-5067	3p-tRF from tRNA-Arg-ACG-1-1	1
piR-hsa-23574	3p-tRF from tRNA-Tyr-GTA-5-4	1
piR-hsa-7239	3p-tRF from tRNA-Tyr-GTA-5-4	1
piR-hsa-28402	5p-tRF from tRNA-Ala-AGC-2-2	1
piR-hsa-13893	5p-tRF from tRNA-iMet-CAT-2-1	1
piR-hsa-7238	3p-tRF from tRNA-Tyr-GTA-3-1	1
piR-hsa-27619	5p-tRF from tRNA-Lys-CTT-3-1	0
piR-hsa-32170	5p-tRF from tRNA-Ser-AGA-2-5	1
piR-hsa-28527	5p-tRF from tRNA-Gln-CTG-1-3	0
piR-hsa-5936	5p-tRF from tRNA-Glu-CTC-1-5	1

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<b>td-piRNAs (itRFs)</b>	<b>tRNAs</b>	<b>Mismatches</b>
piR-hsa-23619	tRNA-lys (CTT) , 5'end interior	0
piR-hsa-31238	tRNA-lys (NNN) and (CTT), central part	0
piR-hsa-6840	tRNA-Tyr (GTA), 3'end interior	1
piR-hsa-27398	tRNA-iMet (CAT), 5'end interior	0
piR-hsa-2106	tRNA-Gly (GCC), 5'end interior	0
piR-hsa-27399	tRNA-iMet (CAT), 5'end interior	0
piR-hsa-12423	tRNA-Arg-CCG, 3'end interior	1
piR-hsa-4947	tRNA-Tyr (GTA), 3'end interior	0
piR-hsa-23327	tRNA-Lys (CTT), 5'end interior	0
piR-hsa-3616	tRNA-Arg (ACG), 3'end interior	0
piR-hsa-1008	tRNA-Arg (CCG), 3'end interior	1
piR-hsa-1242	tRNA-Lys (CTT), 5'end interior	1
piR-hsa-1243	tRNA-Lys (CTT), 5'end interior	1
piR-hsa-6839	tRNA-Tyr (GTA), 3'end interior	1
piR-hsa-28419	tRNA-Ala (AGC), 5'end interior	1
piR-hsa-23655	tRNA-Val AAC, 5'end interior	1
piR-hsa-20757	5' tRNA-Gly (CCC), 5'end interior	0
piR-hsa-18709	5' tRNA-Gly GCC, 5'end interior	0

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piR-hsa-25783	5' tRNA-Gly GCC, 5'end interior	0
piR-hsa-25782	5' tRNA-Gly-GCC, 5'end interior	0
piR-hsa-25780	5' tRNA-Gly-GCC and (CCC), 5end interior	0
piR-hsa-2107	5' tRNA-Gly-GCC, 5'end interior	0
piR-hsa-25781	5' tRNA-Gly-GCC, 5'end interior	0
piR-hsa-23679	tRNA-iMet (CAT), central part	0
piR-hsa-1100	tRNA-iMet (CAT), 5'end interior	1
piR-hsa-12485	tRNA-iMet (CAT), 5'end interior	1
piR-hsa-31237	tRNA-lys (CTT), central part	0
piR-hsa-23289	tRNA-Glu (CTC), 5'end interior	1
piR-hsa-23638	3' tRNA-Gly (GCC)	1
piR-hsa-27400	5'tRNA-iMet (CAT)	0
piR-hsa-23637	3'tRNA Gly (GCC)	1