

Table S1. Piwi gene Identification codes.

Gene	Species	Strain	Gene ID	Tree Identifier
Ago3	Anopheles stephensi	Indian strain, Astel 2.1 geneset	ASTEI04992	AsAgo3
		SDA-500 strain, AteS 1.0 geneset	ASTE009599	AsAgo3
	Anopheles gambiae	PEST, Agamp3.7 geneset	AGAP008862	AgAgo3
	Aedes aegypti	Liverpool, AaegL 1.4 geneset	AAEL007823	AaeAgo3
	Drosophila melanogaster		3355150	DmAgo3
	Anopheles albimanus	STECLA, AalbS1.1 geneset	AALB001790	AA1
	Anopheles arabiensis	Dongola, AaraD1.1 geneset	AARA009401	AR2
	Anopheles christi	ACHKN1017, AchrA1.1 geneset	ACHR007454	AC2
	Anopheles darlingi	Coari, AdarC2.2 geneset	ADAC008631	AD1
	Anopheles dirus	WRAIR2, AdirW1.1 geneset	ADIR009721	AI1
	Anopheles epiroticus	Epiroticus2, AepiE1.1 geneset	AEPI002451	AP1
	Anopheles funestus	FUMOZ, AfunF1.1 geneset	AFUN000985	AF1
	Anopheles minimus A	MINIMUS1, AminM1.1 geneset	AMIN001620	AM1
			AMIN001621	AM2
Anopheles quadriannulatus A	SANGWE, AquaS1.1 geneset	AQUA007856* AQUA007857	AQ1	
Aubergine	Anopheles stephensi	Indian strain, Astel 2.1 geneset	ASTEI03833	AsAub
		SDA-500 strain, AteS 1.0 geneset	ASTE011384	AsAub
	Anopheles gambiae	PEST, Agamp3.7 geneset	AGAP009509	AgAub
	Aedes aegypti	Liverpool, AaegL 1.4 geneset	AAEL008076	AaePiwi1
			AAEL008098	AaePiwi2
			AAEL013692	AaePiwi3
			AAEL007698	AaePiwi4
	Drosophila melanogaster		34524	DmAub
	Anopheles arabiensis	Dongola, AaraD1.1 geneset	AARA011871	AR3
	Anopheles christi	ACHKN1017, AchrA1.1 geneset	ACHR004324	AC3
	Anopheles darlingi	Coari, AdarC2.2 geneset	ADAC006051	AD3
	Anopheles dirus	WRAIR2, AdirW1.1 geneset	ADIR006020	AI4
	Anopheles epiroticus	Epiroticus2, AepiE1.1 geneset	AEPI004893	AP3
	Anopheles funestus	FUMOZ, AfunF1.1 geneset	AFUN005296	AF3
Anopheles minimus	MINIMUS1, AminM1.1 geneset	AMIN001881	AM4	
Anopheles quadriannulatus A	SANGWE, AquaS1.1 geneset	AQUA005807	AQ3	
Piwi	Anopheles stephensi	Indian strain, Astel 2.1 geneset	ASTEI06803	AsPiwi
		SDA-500 strain, AteS 1.0 geneset	ASTE008262	AsPiwi
	Anopheles gambiae	PEST, Agamp3.7 geneset	AGAP011204	AgPiwi
	Aedes aegypti	Liverpool, AaegL 1.4 geneset	AAEL013233	AaePiwi5
			AAEL013227	AaePiwi6
			AAEL006287	AaePiwi7
	Drosophila melanogaster		34521	DmPiwi
	Anopheles albimanus	STECLA, AalbS1.1 geneset	AALB010564	AA2
			AALB010570	AA3
	Anopheles ariabiensis	Dongola, AaraD1.1 geneset	AARA000129	AR1
	Anopheles christi	ACHKN1017, AchrA1.1 geneset	ACHR009351	AC1
	Anopheles darlingi	Coari, AdarC2.2 geneset	ADAC008732	AD2
	Anopheles dirus	WRAIR2, AdirW1.1 geneset	ADIR000087	AI2
			ADIR000092	AI3
	Anopheles epiroticus	Epiroticus2, AepiE1.1 geneset	AEPI006652	AP2
	Anopheles funestus	FUMOZ, AfunF1.1 geneset	AFUN004060	AF2
Anopheles minimus	MINIMUS1, AminM1.1 geneset	AMIN008377	AM3	
Anopheles quadriannulatus A	SANGWE, AquaS1.1 geneset	AQUA005063	AQ2	

*Gene model in VectorBase missassigned this ortholog as two genes.