

Supplementary Table 1							
Study	Helminth	Allograft model	Live infection or product	Parasite burden Administration route Time of administration Life stage	Sample Size	Primary Outcome	Secondary Measurement
Helminth Genus: Echinococcus							
Ai Erkien et al. (2012) (32)	<i>Echinococcus multilocularis</i>	Rat heart	Live	20% larval suspension IP injection Not defined Larvae	12	Graft survival; cessation of cardiac beating	1. Histopathology 2. Immunohistochemistry 3. Flow cytometry
Li et al. (2011) (36)	<i>Echinococcus multilocularis</i>	Rat liver	Live	20% larval suspension IP injection Not defined Larvae	16	Graft survival; necrosis	1. Histopathology 2. Flow cytometry 3. PCR 4. ELISA
Helminth Genus: Schistosoma							
Araujo et al. (1977) (24)	<i>Schistosoma mansoni</i>	Mouse skin	Live	80 cercariae IP injection 30 days prior Cercariae	25	Graft survival; bleeding and shrinking of graft and detachment of border noted as rejection	None
Dutta et al. (2010) (33)	<i>Schistosoma mansoni</i>	Mouse non-vascularised Heart	Product; recombinant protein	50µg Lacto- <i>N</i> -fucopentaose III SC injection 1 day prior and 4 days post-transplant Product	10	Graft survival; cessation of cardiac beating	1. Flow cytometry
	<i>Schistosoma mansoni</i>	Mouse vascularised Heart	Product; recombinant protein	50µg Lacto- <i>N</i> -fucopentaose III SC injection 1 day prior and 4 days post-transplant Product	5	Graft survival; cessation of cardiac beating	1. Flow cytometry
Helminth Genus: Paragonimus							
Hamajima et al. (1994) (29)	<i>Paragonimus westermani</i>	Mouse skin	Product; soluble worm extract	30µg/ kg IP injection 4 days prior Neutral thiol protease (NTP) from larvae	6	Graft survival; rejection classified as 85% of more induration and no hair growth	None
Helminth Genus: Nippostrongylus							
Ledingham et	<i>Nippostrongylus</i>	Rat kidney	Live	3500 larvae	Not	Graft survival;	1. Histopathology

al. (1996) (35)	<i>brasiliensis</i>			SC injection 4 days prior Larval	defined	increasing signs of morbidity due to kidney failure	2. Immunohistochemistry 3. Flow cytometry
	<i>Nippostrongylus brasiliensis</i>	Rat kidney	Product; soluble worm extract	200 worm equivalents SC injection 4 days prior Extract	6	Graft survival; increasing signs of morbidity due to kidney failure	1. Histopathology 2. Immunohistochemistry 3. Flow cytometry
Liwski et al. (2000) (34)	<i>Nippostrongylus brasiliensis</i>	Mouse heart	Live	800 larvae SC injection 4 days prior Larval	5	Graft survival; heart function	1. ELISA – cytokines 2. FACS 3. Intracellular IL-4 4. Cytotoxic T cell activity
Helminth Genus: Trichinella							
Alkarmi et al. (1995)(23)	<i>Trichinella spiralis</i>	Mouse skin	Live	300 larvae Oral inoculation 3 days post-transplant Larval	50	Graft survival; detachment of graft	None
	<i>Trichinella pseudospiralis</i>	Mouse skin	Live	300 larvae Oral inoculation 3 days post-transplant Larval	50	Graft survival; detachment of graft	None
	<i>Trichinella spiralis</i>	Mouse skin	Product; soluble worm extract	50µg IP injection Various days post- transplant Extract	10	Graft survival; detachment of graft	None
	<i>Trichinella pseudospiralis</i>	Mouse skin	Product; soluble worm extract	50µg IP injection Various days post- transplant Extract	10	Graft survival; detachment of graft	None
	<i>Trichinella spiralis</i>	Mouse skin	Product; native secretions from worm	50µg IP injection Various days post- transplant Native secretions	10	Graft survival; detachment of graft	None
	<i>Trichinella pseudospiralis</i>	Mouse skin	Product; native secretions from worm	50µg IP injection Various days post- transplant Native secretions	10	Graft survival; detachment of graft	None

Barriga et al. (1978) (25)	<i>Trichinella spiralis</i>	Mouse skin	Live	45 larvae Oral inoculation 29 days prior Larval	4	Graft survival; 1x – mild inflammation 2x – intense inflammation 3x – necrosis 4x – sloughing	None
	<i>Trichinella spiralis</i>	Mouse skin	Product; soluble worm extract	0.2mg TsE protein IP injection 29 days prior Product	4	Graft survival; 1x – mild inflammation 2x – intense inflammation 3x – necrosis 4x – sloughing	None
Chernyakhovs kaya et al (1972) (26)	<i>Trichinella spiralis</i>	Mouse skin	Live	70-90 larvae Oral Inoculation 27 days prior Larval	N/A	Graft survival; rejection noted as oedema and haemorrhages on the surface of the graft. Complete necrosis noted as destruction of graft epithelium and appearing scar	None
Chimyshkyan et al. (1976) (27)	<i>Trichinella spiralis</i>	Mouse skin	Live	70-90 larvae Oral Inoculation Not defined Larval	N/A	Graft survival; necrosis	None
Deng et al. (2016) (37)	<i>Trichinella spiralis</i>	Mouse heart	Live	300 larvae Oral Inoculation 28 days prior Larval	5	Graft survival; rejection classified as cessation of cardiac beating	1. Histopathology 2. Flow cytometry 3. Luminex - cytokines
	<i>Trichinella spiralis</i>	Mouse skin	Live	300 larvae Oral Inoculation 28 days prior Larval	5	Graft survival; rejection defined as >80 % necrosis of the transplanted skin surface as well as the appearance of desiccation and shrinkage.	1. Histopathology 2. Flow cytometry 3. Luminex - cytokines
Faubert et al. (1975) (28)	<i>Trichinella spiralis</i>	Mouse skin	Live	Serum from mice infected with 100 larvae Oral inoculation Up to 3 days prior Serum	10	Graft survival; oedema, necrosis	None

	<i>Trichinella spiralis</i>	Mouse skin	Live	500 larvae Oral inoculation 30 days prior Larval	15	Graft survival; oedema, necrosis	None
Svet- Moldavsky et al. (1969) (30)	<i>Trichinella spiralis</i>	Mouse skin	Live	75-85 larvae Unclear 23 days prior Larval	9	Graft survival; oedema, necrosis	None
	<i>Trichinella spiralis</i>	Mouse skin	Live	75-85 larvae Unclear 7 days prior Larval	8	Graft survival; necrosis	None
Szkudlinski et al. (1997) (31)	<i>Trichinella spiralis</i>	Mouse skin	Live	80-100 larvae IP injection 23 days prior Larval	12	Graft survival; percentage of area of necrosis	None
	<i>Trichinella pseudospiralis</i>	Mouse skin	Live	80-100 larvae IP injection 23 days prior Larval	12	Graft survival; percentage of area of necrosis	None
	<i>Trichinella spiralis</i>	Mouse skin	Product; soluble worm extract	Extract isolated from 100mg larvae SC injection 23 days prior Product	12	Graft survival; percentage of area of necrosis	None
	<i>Trichinella pseudospiralis</i>	Mouse skin	Product; soluble worm extract	Extract isolated from 100mg larvae SC injection 23 days prior Product	12	Graft survival; percentage of area of necrosis	None