

**Additional File 4**

<b>Wnt Subfamily</b>	<b>Sequence Name</b>	<b>Accession/Contig Number</b>
<b>PorWntA</b>	AquWntA	ABX90060
	CreWntA	Contig66998
	PsuWntA	Contig252
	EmuWntA	Contig16045*
	SlaWntA	Contig4731
	EfrWntA	Contig21562
<b>PorWntB</b>	AquWntB	ADO16564
	PfiWntB	Contig51648
	EmuWntB	ADM13617
	SlaWntB	Contig12305*
	EfrWntB	Contig28264
<b>PorWntC</b>	AquWntC	ADO16565
	PfiWntC	Contig10714
	CreWntC	Contig73781
	HdujWntC	HADA01000006
	EmuWntC	Contig23736*
	SlaWntC	Contig31918
	EfrWntC	Contig14524
<b>PorWntI</b>	OcaWntI	m.2356
	OloWntI	ACS36174
	CcaWntI	Contig 9259
<b>PorWntII</b>	OcaWntIIa	m.10180
	OcaWntIIb	m.18610
	OcaWntIIc	m.18615
	OloWntII	ACS36175
<b>CWntA/N</b>	SciWntA	CDO67888
	ScoWntA	Contig22889*
	SciWntN	CDO67901
	ScoWntN	Contig17541
	LcoWntN	lcpid60387 lcgid45017
<b>CWntB</b>	SciWntB	CDO67889
	LcoWntB	lcpid67615 lcgid28365
<b>CWntC</b>	SciWntC	CDO67890
	ScoWntC	Contig16518
	LcoWntC	lcpid75928 lcgid35509
<b>CWntD</b>	SciWntD	CDO67891
	ScoWntD	Contig5782
	LcoWntD	lcpid87580 lcgid0311
<b>CWntE</b>	SciWntE	CDO67892
	ScoWntE	Contig14145
	LcoWntE	lcpid93240 lcgid0654
<b>CWntF</b>	SciWntF	CDO67893
	LcoWntF	lcpid61054 lcgid2141

<b>CWntG</b>	SciWntG	CDO67894
	ScoWntG	Contig38625
	LcoWntG	lcpid12644 lcgid42850
<b>CWntH</b>	SciWntH	CDO67895
	ScoWntH	Contig29445
	LcoWntH	lcpid72229 lcgid34130
<b>CWntI</b>	SciWntI	CDO67896
	ScoWntI	Contig12941
	LcoWntI	lcpid41001 lcgid58842
<b>CWntJ</b>	SciWntJ	CDO67897
	LcoWntJ	lcpid19806 lcgid65167
<b>CWntK</b>	SciWntK	CDO67898
	LcoWntK	lcpid80837 lcgid23822
<b>CWntL</b>	SciWntL	CDO67899
	ScoWntL	Contig18533
	LcoWntL	lcpid58524 lcgid12336
<b>CWntM</b>	SciWntM	CDO67900
	ScoWntM	Contig57224
<b>CWntO</b>	SciWntO	CDO67902
<b>CWntP</b>	SciWntP	CDO67903
	ScoWntP	Contig26375
	LcoWntP	lcpid80785 lcgid6025
<b>CWntQ</b>	SciWntQ	CDO67904
	LcoWntQ	lcpid74153 lcgid17617
<b>CWntR</b>	SciWntR	CDO67905
	LcoWntR	lcpid66521 lcgid3137
<b>CWntS</b>	SciWntS	CDO67906
	LcoWntS	lcpid43958 lcgid43546
<b>CWntT</b>	SciWntT	CDO67907
<b>CWntU</b>	SciWntU	CDO67908
	LcoWntU	lcpid104953 lcgid65306
<b>Unassigned</b>	HdujWntD	HADA01000005
	HdujWntE	HADA01000010
	HdujWntF	HADA01000003
	HdujWntG	HADA01000002
	HdujWntH	HADA01000004
	HdujWntI	HADA01000001
	HdujWntJ	HADA01000009
	HdujWntK	HADA01000007
	HdujWntL	HADA01000008
	OcaWnt2X	m.82490
	OcaWnt5bX	m.13224
	OcaWnt6X	m.25362
	CcaWntX1	Contig 400
	CcaWntX2	Contig 9097