

## Appendix 4b

*Saccoglossus kowalevskii* (acorn worm)

Contigs identified with a 2A motif

### SK1 from NCBI

>SK1\_ XP\_002731766  
MWFLVLLSFILSGDIEVNPGP

### SK2 to 64 from Baylor college of medicine

>SK2\_ \_lcl|contig133887  
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Dgrysksswwflvilslm1sgdievnpgp

>SK3 \_lcl|contig105380  
Direct\_Frame:2  
cdqhgrihsvlfifi1lllsgdievnpgp

>SK4 \_lcl|contig75880  
Complement\_Frame:1  
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>SK5 \_lcl|contig54740  
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>SK6 \_lcl|contig36012  
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Cdqhgrihsvlfifgilllsgdievnpgp

>SK7 \_lcl|contig23207  
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>SK8 \_lcl|contig6020  
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>SK9 \_lcl|contig4673  
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>SK10 \_lcl|contig124394  
Complement\_Frame:2  
Cdqhsrihsvlfifi1lllsgdievnpgp

>SK11 \_lcl|contig11905  
Complement\_Frame:3  
Rysksscecvwf1vl1slm1sgdievnpgp

>SK12 \_lcl|contig61193  
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>SK13 \_lcl|contig12495  
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>SK14 \_lcl|contig110135  
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>SK15 \_lcl|contig15219  
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>SK16 \_lcl|contig17292  
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>SK17 \_lcl|contig76952  
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>SK18 \_lcl|contig30486  
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>SK19 \_lcl|contig20746  
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>SK20 \_lcl|contig16366  
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>SK22 \_lcl|contig64893  
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>SK24 \_lcl|contig42610

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>SK25\_lcl|contig35635  
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>SK26\_lcl|contig14363  
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1656/Contig87483/Contig80755/Co  
ntig80543/Contig75942/Contig656  
91/Contig63641/Contig55720/Cont  
ig53145/Contig50360/Contig48742  
/Contig46287/Contig44612/Contig  
26669/Contig20221/Contig4384

**Direct\_Frame:1**

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>SK49\_lcl|contig119786/Contig11  
3466/ Contig109863

**Complement\_Frame:2**

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>SK51\_lcl|contig28221

Complement\_Frame:3

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>SK52\_lcl|contig130171

Complement\_Frame:1

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