

APPENDIX A: Raw Data

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013

TagNum	Species	Length (mm)	Weight (g)
0	<i>L. fasciola</i>	26.7	2
1	<i>L. fasciola</i>	27.93	3
2	<i>L. fasciola</i>	28.71	3
3	<i>L. fasciola</i>	19.93	1
4	<i>L. fasciola</i>	23.95	2
5	<i>L. fasciola</i>	24.6	2
6	<i>L. fasciola</i>	28.32	2
7	<i>L. fasciola</i>	30.08	4
8	<i>L. fasciola</i>	24.76	2
9	<i>L. fasciola</i>	24.41	2
10	<i>L. fasciola</i>	19.98	1
11	<i>L. fasciola</i>	26.5	3
12	<i>L. fasciola</i>	21.87	2
13	<i>L. fasciola</i>	21.09	1
14	<i>L. fasciola</i>	30.18	4
15	<i>L. fasciola</i>	19.72	1
16	<i>L. fasciola</i>	25.87	2
17	<i>M. conradicus</i>	24.28	2
18	<i>L. fasciola</i>	25.35	2
19	<i>L. fasciola</i>	20.94	1
20	<i>L. fasciola</i>	26.27	2
21	<i>L. fasciola</i>	22.38	2
22	<i>L. fasciola</i>	24.59	2
23	<i>L. fasciola</i>	24.57	2
24	<i>L. fasciola</i>	24.03	2
25	<i>L. fasciola</i>	24.37	2
26	<i>L. fasciola</i>	27.09	2
27	<i>L. fasciola</i>	21.93	2
28	<i>L. fasciola</i>	19.21	0
29	<i>L. fasciola</i>	17.93	0
31	<i>L. fasciola</i>	22.2	0
32	<i>L. fasciola</i>	26.74	3
33	<i>L. fasciola</i>	21.25	2
34	<i>L. fasciola</i>	24.95	2
35	<i>L. fasciola</i>	22.78	1
36	<i>L. fasciola</i>	21.34	1
37	<i>L. fasciola</i>	18.03	0

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
38	<i>L. fasciola</i>	25.57	2
39	<i>L. fasciola</i>	23.88	2
40	<i>M. conradicus</i>	28.52	3
41	<i>L. fasciola</i>	22.18	2
42	<i>L. fasciola</i>	21.65	1
43	<i>L. fasciola</i>	28.41	3
44	<i>L. fasciola</i>	20.92	1
45	<i>L. fasciola</i>	20.79	1
46	<i>L. fasciola</i>	23.58	2
47	<i>L. fasciola</i>	28.27	3
48	<i>L. fasciola</i>	30.83	4
49	<i>L. fasciola</i>	27.27	2
50	<i>L. fasciola</i>	19.33	1
51	<i>L. fasciola</i>	24.69	2
52	<i>L. fasciola</i>	23.28	2
53	<i>L. fasciola</i>	20.52	1
54	<i>L. fasciola</i>	29.98	4
55	<i>L. fasciola</i>	30.1	3
56	<i>L. fasciola</i>	25.08	2
57	<i>L. fasciola</i>	26.32	2
58	<i>L. fasciola</i>	24.05	2
59	<i>L. fasciola</i>	20.68	2
60	<i>L. fasciola</i>	23.67	2
61	<i>L. fasciola</i>	19.62	1
62	<i>L. fasciola</i>	23.07	2
63	<i>L. fasciola</i>	24.93	2
64	<i>L. fasciola</i>	22.9	0
65	<i>L. fasciola</i>	26.17	2
66	<i>L. fasciola</i>	20.75	0
67	<i>L. fasciola</i>	26.35	2
68	<i>L. fasciola</i>	19.88	1
69	<i>L. fasciola</i>	26	2
70	<i>L. fasciola</i>	27.61	3
71	<i>L. fasciola</i>	21.63	1
72	<i>L. fasciola</i>	19.58	1
73	<i>L. fasciola</i>	19.11	1
74	<i>L. fasciola</i>	27.58	2
75	<i>L. fasciola</i>	20.97	1

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
76	<i>L. fasciola</i>	17.68	1
77	<i>L. fasciola</i>	27.15	3
78	<i>L. fasciola</i>	21.21	2
79	<i>L. fasciola</i>	22.85	2
80	<i>L. fasciola</i>	24.32	2
81	<i>L. fasciola</i>	28.05	3
82	<i>L. fasciola</i>	24.44	2
83	<i>L. fasciola</i>	25.3	2
84	<i>L. fasciola</i>	25.57	2
85	<i>L. fasciola</i>	25.75	2
86	<i>L. fasciola</i>	30.04	3
87	<i>L. fasciola</i>	20.44	1
88	<i>M. conradicus</i>	26.46	3
89	<i>L. fasciola</i>	19.2	0
90	<i>L. fasciola</i>	26.5	2
91	<i>L. fasciola</i>	28.51	3
92	<i>L. fasciola</i>	23.41	2
93	<i>L. fasciola</i>	27.52	3
94	<i>L. fasciola</i>	22.65	2
95	<i>L. fasciola</i>	26.06	2
96	<i>L. fasciola</i>	26.48	2
97	<i>L. fasciola</i>	22.73	1
98	<i>L. fasciola</i>	24.03	1
99	<i>L. fasciola</i>	26.49	2
100	<i>L. fasciola</i>	19.6	1
101	<i>L. fasciola</i>	29.19	4
102	<i>L. fasciola</i>	23.3	2
103	<i>L. fasciola</i>	21.88	1
104	<i>L. fasciola</i>	20.1	1
105	<i>L. fasciola</i>	26.67	3
106	<i>L. fasciola</i>	16.82	0
107	<i>L. fasciola</i>	25.92	2
108	<i>L. fasciola</i>	26	2
110	<i>L. fasciola</i>	23.71	2
111	<i>L. fasciola</i>	26.2	2
112	<i>L. fasciola</i>	29.06	3
113	<i>L. fasciola</i>	29.11	3
114	<i>L. fasciola</i>	25.88	3

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
115	<i>L. fasciola</i>	23.5	2
116	<i>L. fasciola</i>	21.14	2
117	<i>L. fasciola</i>	20.34	1
118	<i>L. fasciola</i>	23.71	2
119	<i>L. fasciola</i>	24.38	2
120	<i>L. fasciola</i>	19.77	0
121	<i>M. conradicus</i>	27	3
122	<i>L. fasciola</i>	20.5	0
123	<i>M. conradicus</i>	20.92	1
124	<i>L. fasciola</i>	25.14	3
125	<i>L. fasciola</i>	23.67	2
126	<i>L. fasciola</i>	27.36	3
127	<i>L. fasciola</i>	28.72	3
128	<i>L. fasciola</i>	25.74	2
129	<i>L. fasciola</i>	20.07	1
130	<i>L. fasciola</i>	20.86	1
131	<i>L. fasciola</i>	19.11	0
132	<i>L. fasciola</i>	21.42	1
133	<i>M. conradicus</i>	23.78	2
134	<i>L. fasciola</i>	26.12	2
135	<i>L. fasciola</i>	21.58	1
136	<i>L. fasciola</i>	20.57	1
137	<i>L. fasciola</i>	27.24	2
138	<i>L. fasciola</i>	25.94	2
139	<i>L. fasciola</i>	25.94	2
140	<i>L. fasciola</i>	20.32	0
141	<i>L. fasciola</i>	23.89	1
142	<i>L. fasciola</i>	26.48	3
143	<i>L. fasciola</i>	21.86	2
144	<i>L. fasciola</i>	27.36	3
145	<i>L. fasciola</i>	19.61	1
146	<i>L. fasciola</i>	26.06	2
147	<i>L. fasciola</i>	22.46	2
148	<i>L. fasciola</i>	23.14	1
149	<i>L. fasciola</i>	26.72	2
150	<i>L. fasciola</i>	28.88	4
151	<i>L. fasciola</i>	23.54	2
152	<i>L. fasciola</i>	23.41	2

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
153	<i>L. fasciola</i>	21.39	1
154	<i>L. fasciola</i>	24.01	2
155	<i>L. fasciola</i>	24.76	2
156	<i>L. fasciola</i>	24.41	3
157	<i>L. fasciola</i>	23.3	2
158	<i>L. fasciola</i>	21.1	1
159	<i>L. fasciola</i>	21.34	2
160	<i>L. fasciola</i>	19.97	1
161	<i>L. fasciola</i>	28.69	3
162	<i>L. fasciola</i>	24.56	2
163	<i>L. fasciola</i>	27.29	2
164	<i>L. fasciola</i>	21.34	1
165	<i>L. fasciola</i>	20.52	1
166	<i>L. fasciola</i>	24.2	3
167	<i>L. fasciola</i>	23.63	2
168	<i>L. fasciola</i>	25.47	2
169	<i>L. fasciola</i>	19.5	1
170	<i>L. fasciola</i>	23.38	2
171	<i>L. fasciola</i>	23.99	2
172	<i>L. fasciola</i>	27.86	3
173	<i>L. fasciola</i>	25.99	3
174	<i>L. fasciola</i>	29.2	3
175	<i>L. fasciola</i>	23.58	2
176	<i>L. fasciola</i>	18.4	0
177	<i>L. fasciola</i>	26.76	2
178	<i>L. fasciola</i>	28.6	3
179	<i>L. fasciola</i>	21.75	2
180	<i>L. fasciola</i>	19.6	1
181	<i>L. fasciola</i>	27.38	3
182	<i>L. fasciola</i>	23.82	3
183	<i>L. fasciola</i>	27.33	4
184	<i>L. fasciola</i>	26.49	4
185	<i>L. fasciola</i>	21.9	0
186	<i>L. fasciola</i>	28.95	3
187	<i>L. fasciola</i>	22.44	1
188	<i>M. conradicus</i>	24.78	1
189	<i>L. fasciola</i>	21.42	0
190	<i>L. fasciola</i>	27.19	2

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
192	<i>L. fasciola</i>	28.97	2
193	<i>L. fasciola</i>	23.11	1
194	<i>L. fasciola</i>	25.88	2
195	<i>L. fasciola</i>	23.83	1
196	<i>L. fasciola</i>	23.01	0
197	<i>L. fasciola</i>	18.43	0
198	<i>L. fasciola</i>	20.6	1
199	<i>L. fasciola</i>	27.18	2
200	<i>M. conradicus</i>	30.24	4
201	<i>M. conradicus</i>	23.75	2
202	<i>L. fasciola</i>	23.88	2
203	<i>L. fasciola</i>	26.97	2
204	<i>L. fasciola</i>	23.44	2
205	<i>L. fasciola</i>	29.3	3
206	<i>L. fasciola</i>	28.39	3
207	<i>L. fasciola</i>	22.67	2
208	<i>M. conradicus</i>	22.03	2
209	<i>L. fasciola</i>	26.28	2
210	<i>L. fasciola</i>	23.95	2
211	<i>L. fasciola</i>	25.81	2
212	<i>L. fasciola</i>	16.65	0
213	<i>L. fasciola</i>	21.05	1
214	<i>L. fasciola</i>	19.08	1
215	<i>L. fasciola</i>	18.83	1
216	<i>L. fasciola</i>	26.03	2
217	<i>L. fasciola</i>	21.47	1
218	<i>L. fasciola</i>	18.38	0
219	<i>L. fasciola</i>	24.79	2
220	<i>L. fasciola</i>	15.55	0
221	<i>L. fasciola</i>	24.47	2
222	<i>L. fasciola</i>	22	1
223	<i>L. fasciola</i>	23.44	1
224	<i>M. conradicus</i>	24.43	2
225	<i>L. fasciola</i>	25.81	3
226	<i>L. fasciola</i>	22.55	2
227	<i>L. fasciola</i>	21.71	1
228	<i>L. fasciola</i>	21.95	2
229	<i>L. fasciola</i>	20.13	0

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
230	<i>L. fasciola</i>	18.85	0
231	<i>L. fasciola</i>	21.66	0
232	<i>L. fasciola</i>	24.2	2
233	<i>L. fasciola</i>	30.99	4
234	<i>L. fasciola</i>	18.9	1
235	<i>L. fasciola</i>	19.96	1
236	<i>L. fasciola</i>	19.77	1
237	<i>L. fasciola</i>	20.31	1
238	<i>L. fasciola</i>	23.8	2
239	<i>L. fasciola</i>	21.01	1
240	<i>L. fasciola</i>	24.03	2
241	<i>L. fasciola</i>	21.6	1
242	<i>L. fasciola</i>	25.05	2
243	<i>L. fasciola</i>	21.58	1
244	<i>L. fasciola</i>	24.41	2
245	<i>L. fasciola</i>	23.47	1
246	<i>L. fasciola</i>	17.58	0
247	<i>L. fasciola</i>	26.16	2
248	<i>L. fasciola</i>	19.08	1
249	<i>L. fasciola</i>	26.15	2
250	<i>L. fasciola</i>	27.17	3
251	<i>L. fasciola</i>	26.26	2
252	<i>L. fasciola</i>	28.24	3
253	<i>L. fasciola</i>	27.95	3
254	<i>L. fasciola</i>	22.98	2
255	<i>L. fasciola</i>	21.26	1
256	<i>L. fasciola</i>	21.98	2
257	<i>L. fasciola</i>	20.08	1
258	<i>L. fasciola</i>	21.35	1
259	<i>L. fasciola</i>	25.82	2
260	<i>L. fasciola</i>	26.15	2
261	<i>M. conradicus</i>	19.84	1
262	<i>L. fasciola</i>	17.86	0
263	<i>L. fasciola</i>	20.56	1
264	<i>L. fasciola</i>	21.83	1
265	<i>L. fasciola</i>	26.09	2
266	<i>L. fasciola</i>	21.54	1
267	<i>L. fasciola</i>	21.14	2

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
268	<i>L. fasciola</i>	26.86	2
269	<i>L. fasciola</i>	27.39	3
270	<i>L. fasciola</i>	23.41	2
271	<i>L. fasciola</i>	25.29	2
272	<i>L. fasciola</i>	26.53	2
273	<i>L. fasciola</i>	20.25	1
274	<i>L. fasciola</i>	23.49	2
275	<i>L. fasciola</i>	20.64	0
276	<i>L. fasciola</i>	28.04	2
277	<i>L. fasciola</i>	27.51	1
278	<i>L. fasciola</i>	24.17	2
279	<i>L. fasciola</i>	27	2
280	<i>L. fasciola</i>	26.32	2
281	<i>L. fasciola</i>	24.57	2
282	<i>L. fasciola</i>	24.54	2
283	<i>L. fasciola</i>	23.59	2
284	<i>L. fasciola</i>	22.87	1
285	<i>L. fasciola</i>	20.07	1
286	<i>L. fasciola</i>	19.69	1
287	<i>L. fasciola</i>	19.57	0
288	<i>L. fasciola</i>	21.67	2
289	<i>L. fasciola</i>	18.94	1
290	<i>L. fasciola</i>	20.25	1
291	<i>L. fasciola</i>	20.17	1
292	<i>L. fasciola</i>	26.27	2
293	<i>L. fasciola</i>	20.31	0
294	<i>L. fasciola</i>	19.99	1
295	<i>L. fasciola</i>	26.13	2
296	<i>L. fasciola</i>	18.07	1
297	<i>L. fasciola</i>	18.92	1
298	<i>L. fasciola</i>	23.37	1
299	<i>L. fasciola</i>	24.16	2
300	<i>L. fasciola</i>	19.2	1
301	<i>L. fasciola</i>	20.93	1
302	<i>L. fasciola</i>	18.96	0
303	<i>L. fasciola</i>	20.52	0
304	<i>L. fasciola</i>	26.13	2
305	<i>L. fasciola</i>	25.38	1

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
306	<i>L. fasciola</i>	19.55	0
307	<i>L. fasciola</i>	26.88	1
308	<i>L. fasciola</i>	27.06	2
309	<i>L. fasciola</i>	21.17	1
310	<i>L. fasciola</i>	18.51	1
311	<i>L. fasciola</i>	22.93	1
312	<i>L. fasciola</i>	19.54	0
313	<i>L. fasciola</i>	26.5	2
314	<i>L. fasciola</i>	19.17	0
315	<i>L. fasciola</i>	27.01	2
316	<i>L. fasciola</i>	22.9	0
317	<i>L. fasciola</i>	19.33	0
318	<i>L. fasciola</i>	23.35	1
319	<i>L. fasciola</i>	19.06	1
320	<i>L. fasciola</i>	20.82	1
321	<i>L. fasciola</i>	27	2
322	<i>L. fasciola</i>	29.45	2
323	<i>L. fasciola</i>	23.39	1
324	<i>L. fasciola</i>	21.96	0
325	<i>L. fasciola</i>	17.26	0
326	<i>L. fasciola</i>	23.61	1
327	<i>L. fasciola</i>	28.76	2
328	<i>L. fasciola</i>	19.7	0
329	<i>L. fasciola</i>	18.9	0
330	<i>L. fasciola</i>	16.62	0
331	<i>L. fasciola</i>	19.66	0
332	<i>L. fasciola</i>	21.32	1
333	<i>L. fasciola</i>	19.67	0
334	<i>L. fasciola</i>	18.42	0
335	<i>L. fasciola</i>	20.55	1
336	<i>L. fasciola</i>	23.03	2
337	<i>L. fasciola</i>	28.01	2
338	<i>L. fasciola</i>	29.47	3
339	<i>L. fasciola</i>	25.67	2
340	<i>M. conradicus</i>	24.62	2
341	<i>L. fasciola</i>	26.06	2
342	<i>M. conradicus</i>	26.23	2
343	<i>L. fasciola</i>	22.26	1

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
344	<i>L. fasciola</i>	21.06	2
345	<i>M. conradicus</i>	21.94	0
346	<i>L. fasciola</i>	21.92	2
347	<i>L. fasciola</i>	25.74	1
348	<i>L. fasciola</i>	21.01	1
349	<i>L. fasciola</i>	19.5	0
350	<i>L. fasciola</i>	21.42	2
351	<i>L. fasciola</i>	25.69	2
352	<i>L. fasciola</i>	24.61	2
353	<i>L. fasciola</i>	21.93	1
354	<i>M. conradicus</i>	27.68	3
355	<i>L. fasciola</i>	20.88	1
356	<i>L. fasciola</i>	27.09	3
357	<i>L. fasciola</i>	22.92	0
358	<i>L. fasciola</i>	25.68	2
359	<i>L. fasciola</i>	19.07	0
360	<i>L. fasciola</i>	21.75	2
361	<i>L. fasciola</i>	25	2
362	<i>L. fasciola</i>	25.24	2
363	<i>L. fasciola</i>	23.54	1
364	<i>L. fasciola</i>	22.87	2
365	<i>L. fasciola</i>	25.36	2
366	<i>L. fasciola</i>	21.61	1
367	<i>L. fasciola</i>	24.94	2
368	<i>L. fasciola</i>	29.24	3
369	<i>L. fasciola</i>	20.66	1
370	<i>L. fasciola</i>	23.67	2
371	<i>L. fasciola</i>	28.68	3
372	<i>L. fasciola</i>	17.09	0
373	<i>L. fasciola</i>	24.09	1
374	<i>L. fasciola</i>	22.72	2
375	<i>L. fasciola</i>	20.44	0
376	<i>L. fasciola</i>	20.78	0
377	<i>L. fasciola</i>	23.9	1
378	<i>L. fasciola</i>	21.9	1
379	<i>L. fasciola</i>	23.24	1
380	<i>L. fasciola</i>	19.84	1
381	<i>L. fasciola</i>	23.67	0

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
382	<i>L. fasciola</i>	23.05	2
383	<i>L. fasciola</i>	24.13	0
384	<i>L. fasciola</i>	26.35	3
385	<i>L. fasciola</i>	20.46	1
386	<i>L. fasciola</i>	19.82	1
387	<i>L. fasciola</i>	21.69	1
388	<i>M. conradicus</i>	26.89	3
389	<i>L. fasciola</i>	19.88	0
390	<i>L. fasciola</i>	23.2	2
391	<i>L. fasciola</i>	19.03	0
392	<i>L. fasciola</i>	20.55	0
393	<i>L. fasciola</i>	18.26	0
394	<i>L. fasciola</i>	20.41	0
395	<i>L. fasciola</i>	19.63	1
396	<i>M. conradicus</i>	52.03	14
397	<i>M. conradicus</i>	44.09	8
398	<i>M. conradicus</i>	46.04	10
399	<i>M. conradicus</i>	45.07	7
400	<i>M. conradicus</i>	46.54	8
401	<i>M. conradicus</i>	26.82	9
402	<i>M. conradicus</i>	45.36	8
403	<i>M. conradicus</i>	42.05	5
404	<i>M. conradicus</i>	36.69	3
405	<i>M. conradicus</i>	44.16	6
406	<i>M. conradicus</i>	44.61	7
407	<i>M. conradicus</i>	32.98	2
408	<i>M. conradicus</i>	36.73	3
409	<i>M. conradicus</i>	30.93	2
410	<i>M. conradicus</i>	43	5
411	<i>M. conradicus</i>	30	2
412	<i>M. conradicus</i>	29.08	1
413	<i>M. conradicus</i>	45.74	8
414	<i>M. conradicus</i>	41.52	4
415	<i>M. conradicus</i>	31.71	2
416	<i>M. conradicus</i>	34.86	3
417	<i>M. conradicus</i>	39.92	4
418	<i>M. conradicus</i>	46.73	6
419	<i>M. conradicus</i>	32.31	2

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
420	<i>M. conradicus</i>	29.38	8
421	<i>M. conradicus</i>	49.47	8
422	<i>M. conradicus</i>	41.17	4
423	<i>M. conradicus</i>	41.38	5
424	<i>M. conradicus</i>	34.54	3
425	<i>M. conradicus</i>	33.05	3
426	<i>M. conradicus</i>	33.27	2
428	<i>M. conradicus</i>	40.47	4
429	<i>M. conradicus</i>	42.86	9
430	<i>M. conradicus</i>	44.57	6
431	<i>M. conradicus</i>	38.8	4
432	<i>M. conradicus</i>	39.99	4
433	<i>M. conradicus</i>	32.02	2
434	<i>M. conradicus</i>	40.36	4
435	<i>M. conradicus</i>	29.47	2
436	<i>M. conradicus</i>	26.96	1
437	<i>M. conradicus</i>	37.19	3
438	<i>M. conradicus</i>	49.54	7
439	<i>M. conradicus</i>	32.58	3
440	<i>M. conradicus</i>	43.53	6
441	<i>M. conradicus</i>	29.88	4
442	<i>M. conradicus</i>	43.18	10
443	<i>M. conradicus</i>	40.4	7
444	<i>M. conradicus</i>	34.55	4
445	<i>M. conradicus</i>	29.51	2
446	<i>M. conradicus</i>	34.06	2
447	<i>M. conradicus</i>	34.94	5
448	<i>M. conradicus</i>	46.06	8
449	<i>M. conradicus</i>	40.44	6
450	<i>M. conradicus</i>	47.78	13
451	<i>M. conradicus</i>	39.18	8
452	<i>M. conradicus</i>	37.47	4
453	<i>M. conradicus</i>	30.88	4
454	<i>M. conradicus</i>	34.36	5
455	<i>M. conradicus</i>	35.81	4
456	<i>M. conradicus</i>	26.33	2
457	<i>M. conradicus</i>	38.6	4
458	<i>M. conradicus</i>	33.05	4

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
459	<i>M. conradicus</i>	42.93	6
460	<i>M. conradicus</i>	39.03	7
461	<i>M. conradicus</i>	41.68	7
462	<i>M. conradicus</i>	35.45	4
463	<i>M. conradicus</i>	39.94	6
464	<i>M. conradicus</i>	44.61	9
465	<i>M. conradicus</i>	38.33	6
466	<i>M. conradicus</i>	31.5	3
467	<i>M. conradicus</i>	25.03	2
468	<i>M. conradicus</i>	44.96	10
469	<i>M. conradicus</i>	39.63	6
470	<i>M. conradicus</i>	36.28	5
471	<i>M. conradicus</i>	46.57	9
472	<i>M. conradicus</i>	23.8	1
473	<i>M. conradicus</i>	29.74	3
474	<i>M. conradicus</i>	30.95	3
475	<i>M. conradicus</i>	29.25	3
476	<i>M. conradicus</i>	22.77	2
477	<i>M. conradicus</i>	26.01	2
478	<i>M. conradicus</i>	25.9	2
479	<i>M. conradicus</i>	25.21	2
480	<i>M. conradicus</i>	24.52	2
481	<i>M. conradicus</i>	20.95	1
482	<i>M. conradicus</i>	22.88	1
483	<i>M. conradicus</i>	31.93	3
484	<i>M. conradicus</i>	35.36	4
485	<i>M. conradicus</i>	40.46	6
486	<i>M. conradicus</i>	23.5	1
487	<i>M. conradicus</i>	29.76	3
488	<i>M. conradicus</i>	23.38	2
489	<i>M. conradicus</i>	20.57	1
490	<i>M. conradicus</i>	37.67	5
491	<i>M. conradicus</i>	39.28	6
492	<i>M. conradicus</i>	46.5	9
493	<i>M. conradicus</i>	33.9	2
494	<i>M. conradicus</i>	46.39	10
495	<i>M. conradicus</i>	49.66	12
496	<i>M. conradicus</i>	35.05	6

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
497	<i>M. conradicus</i>	28.53	3
498	<i>M. conradicus</i>	46.08	10
499	<i>M. conradicus</i>	34.7	4
500	<i>M. conradicus</i>	39.62	6
501	<i>M. conradicus</i>	41.62	6
503	<i>M. conradicus</i>	45.62	8
504	<i>M. conradicus</i>	29.63	4
505	<i>M. conradicus</i>	46.15	14
506	<i>M. conradicus</i>	32	3
507	<i>M. conradicus</i>	40.45	7
508	<i>M. conradicus</i>	37.64	5
509	<i>M. conradicus</i>	34.4	4
510	<i>M. conradicus</i>	34.98	5
511	<i>M. conradicus</i>	42.91	8
512	<i>M. conradicus</i>	42.29	7
513	<i>M. conradicus</i>	32.49	3
514	<i>M. conradicus</i>	29.98	2
515	<i>M. conradicus</i>	45.92	8
516	<i>M. conradicus</i>	49.14	15
517	<i>M. conradicus</i>	44.55	12
518	<i>M. conradicus</i>	36.09	4
519	<i>M. conradicus</i>	36.46	5
520	<i>M. conradicus</i>	40.68	7
521	<i>M. conradicus</i>	39.77	5
522	<i>M. conradicus</i>	47.56	10
523	<i>M. conradicus</i>	40.92	6
524	<i>M. conradicus</i>	39.47	6
525	<i>M. conradicus</i>	33.31	4
526	<i>M. conradicus</i>	50.7	16
527	<i>M. conradicus</i>	46.49	10
528	<i>M. conradicus</i>	48.45	13
529	<i>M. conradicus</i>	44.23	7
530	<i>M. conradicus</i>	43.66	10
531	<i>M. conradicus</i>	39.13	5
532	<i>M. conradicus</i>	29.57	3
533	<i>M. conradicus</i>	35.07	4
534	<i>M. conradicus</i>	30.83	3
535	<i>M. conradicus</i>	37.21	4

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
536	<i>M. conradicus</i>	41.99	7
537	<i>M. conradicus</i>	37.03	4
538	<i>M. conradicus</i>	23.99	1
539	<i>M. conradicus</i>	28.08	2
540	<i>M. conradicus</i>	40.71	6
541	<i>M. conradicus</i>	38.81	6
542	<i>M. conradicus</i>	33.99	5
543	<i>M. conradicus</i>	28.89	2
544	<i>M. conradicus</i>	26.64	2
545	<i>M. conradicus</i>	30.29	2
546	<i>M. conradicus</i>	31.5	3
547	<i>M. conradicus</i>	48.99	11
548	<i>M. conradicus</i>	46.8	11
549	<i>M. conradicus</i>	33.67	4
550	<i>M. conradicus</i>	49.54	14
551	<i>M. conradicus</i>	35.22	4
552	<i>M. conradicus</i>	36.44	5
553	<i>M. conradicus</i>	45.84	12
554	<i>M. conradicus</i>	37.34	7
555	<i>M. conradicus</i>	49.77	13
556	<i>M. conradicus</i>	44.38	11
557	<i>M. conradicus</i>	50.17	13
558	<i>M. conradicus</i>	39.18	6
559	<i>M. conradicus</i>	33.91	3
560	<i>M. conradicus</i>	45.52	6
561	<i>M. conradicus</i>	37.76	6
562	<i>M. conradicus</i>	45.25	5
563	<i>M. conradicus</i>	24.01	1
564	<i>M. conradicus</i>	41.75	6
565	<i>M. conradicus</i>	33.35	3
566	<i>M. conradicus</i>	45.41	11
567	<i>M. conradicus</i>	46.69	11
568	<i>M. conradicus</i>	44.23	8
569	<i>M. conradicus</i>	31.52	3
570	<i>M. conradicus</i>	28.66	2
571	<i>M. conradicus</i>	38.09	5
572	<i>M. conradicus</i>	21.96	0

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
573	<i>M. conradicus</i>	40.92	7
574	<i>M. conradicus</i>	45.44	10
575	<i>M. conradicus</i>	42.67	7
576	<i>M. conradicus</i>	41.38	7
577	<i>M. conradicus</i>	38.61	6
578	<i>M. conradicus</i>	35.99	4
579	<i>M. conradicus</i>	40.38	6
580	<i>M. conradicus</i>	39.81	6
581	<i>M. conradicus</i>	45.22	9
582	<i>M. conradicus</i>	32.47	3
583	<i>M. conradicus</i>	26.94	2
584	<i>M. conradicus</i>	33.91	4
585	<i>M. conradicus</i>	46.01	4
586	<i>M. conradicus</i>	32.27	4
587	<i>M. conradicus</i>	29.22	3
588	<i>M. conradicus</i>	41.11	8
589	<i>M. conradicus</i>	39.03	8
590	<i>M. conradicus</i>	29.39	2
591	<i>M. conradicus</i>	33.86	4
592	<i>M. conradicus</i>	50.28	13
593	<i>M. conradicus</i>	41.92	6
594	<i>M. conradicus</i>	34.98	4
595	<i>M. conradicus</i>	40.01	6
596	<i>M. conradicus</i>	29.38	2
597	<i>M. conradicus</i>	40.14	7
598	<i>M. conradicus</i>	31.16	3
599	<i>M. conradicus</i>	29.31	2
600	<i>M. conradicus</i>	39.51	6
601	<i>M. conradicus</i>	46.41	10
602	<i>M. conradicus</i>	30.41	2
604	<i>M. conradicus</i>	31.46	2
605	<i>M. conradicus</i>	37.44	6
606	<i>M. conradicus</i>	29.6	2
607	<i>M. conradicus</i>	39.31	5
608	<i>M. conradicus</i>	32.72	4
609	<i>M. conradicus</i>	27.5	2
610	<i>M. conradicus</i>	29.51	3
611	<i>M. conradicus</i>	48.98	13

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
612	<i>M. conradicus</i>	51.22	16
613	<i>M. conradicus</i>	44.54	9
614	<i>M. conradicus</i>	38.71	5
615	<i>M. conradicus</i>	32.86	4
616	<i>M. conradicus</i>	37.23	5
617	<i>M. conradicus</i>	50.2	10
618	<i>M. conradicus</i>	36.81	6
619	<i>M. conradicus</i>	31.78	3
620	<i>M. conradicus</i>	43.76	8
621	<i>M. conradicus</i>	46.7	12
622	<i>M. conradicus</i>	42.73	6
623	<i>M. conradicus</i>	37.73	5
624	<i>M. conradicus</i>	46.1	10
625	<i>M. conradicus</i>	34.49	4
626	<i>M. conradicus</i>	38.81	7
627	<i>M. conradicus</i>	47.02	8
628	<i>M. conradicus</i>	53.54	14
629	<i>M. conradicus</i>	50	14
630	<i>M. conradicus</i>	39.66	7
631	<i>M. conradicus</i>	32.08	3
632	<i>M. conradicus</i>	38.22	6
633	<i>M. conradicus</i>	36.9	5
634	<i>M. conradicus</i>	44.55	10
635	<i>M. conradicus</i>	49.64	14
636	<i>M. conradicus</i>	44.39	10
637	<i>M. conradicus</i>	36.67	5
638	<i>M. conradicus</i>	46.82	11
639	<i>M. conradicus</i>	41.39	6
640	<i>M. conradicus</i>	43.88	8
641	<i>M. conradicus</i>	32.46	3
643	<i>M. conradicus</i>	31.48	4
644	<i>M. conradicus</i>	37.9	4
645	<i>M. conradicus</i>	43.77	9
646	<i>M. conradicus</i>	41.62	8
647	<i>M. conradicus</i>	41.05	7
648	<i>M. conradicus</i>	49.45	11
649	<i>M. conradicus</i>	46.77	8

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
650	<i>M. conradicus</i>	34.53	4
651	<i>M. conradicus</i>	40.15	6
652	<i>M. conradicus</i>	33	3
653	<i>M. conradicus</i>	40.28	6
654	<i>M. conradicus</i>	32.7	3
655	<i>M. conradicus</i>	31.27	2
656	<i>M. conradicus</i>	47.68	12
657	<i>M. conradicus</i>	38.9	6
658	<i>M. conradicus</i>	41.61	9
659	<i>M. conradicus</i>	32.92	3
660	<i>M. conradicus</i>	36.42	4
661	<i>M. conradicus</i>	45.14	7
662	<i>M. conradicus</i>	37.55	6
663	<i>M. conradicus</i>	43.77	7
664	<i>M. conradicus</i>	45.92	9
665	<i>M. conradicus</i>	46.65	12
666	<i>M. conradicus</i>	42.71	7
667	<i>M. conradicus</i>	50.94	12
668	<i>M. conradicus</i>	37.06	4
669	<i>M. conradicus</i>	33.16	3
670	<i>M. conradicus</i>	39.42	6
671	<i>M. conradicus</i>	43.75	8
672	<i>M. conradicus</i>	29.96	2
673	<i>M. conradicus</i>	35.47	5
674	<i>M. conradicus</i>	28.88	3
675	<i>M. conradicus</i>	28.39	2
676	<i>M. conradicus</i>	34	4
677	<i>M. conradicus</i>	39.55	6
678	<i>M. conradicus</i>	38.05	7
679	<i>M. conradicus</i>	30.24	3
680	<i>M. conradicus</i>	41.68	7
681	<i>M. conradicus</i>	44.17	8
682	<i>M. conradicus</i>	29.22	2
683	<i>M. conradicus</i>	42.02	8
684	<i>M. conradicus</i>	28	3
685	<i>M. conradicus</i>	39.87	7
686	<i>M. conradicus</i>	35.94	4
687	<i>M. conradicus</i>	26.72	0

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
688	<i>M. conradicus</i>	36.8	6
689	<i>M. conradicus</i>	25.97	2
690	<i>M. conradicus</i>	29.36	2
691	<i>M. conradicus</i>	30.05	3
692	<i>M. conradicus</i>	44.16	8
693	<i>M. conradicus</i>	36.96	4
694	<i>M. conradicus</i>	32.59	3
695	<i>M. conradicus</i>	38.5	6
696	<i>M. conradicus</i>	32.02	3
697	<i>M. conradicus</i>	33.46	4
698	<i>M. conradicus</i>	42.59	9
699	<i>M. conradicus</i>	47.48	10
700	<i>M. conradicus</i>	38.76	5
701	<i>M. conradicus</i>	35	4
702	<i>M. conradicus</i>	30.47	3
703	<i>M. conradicus</i>	41.54	8
704	<i>M. conradicus</i>	45.52	10
705	<i>M. conradicus</i>	36.62	4
706	<i>M. conradicus</i>	34.02	4
707	<i>M. conradicus</i>	25.12	0
708	<i>M. conradicus</i>	42.87	8
709	<i>M. conradicus</i>	41.42	6
710	<i>M. conradicus</i>	45.9	13
711	<i>M. conradicus</i>	35.77	4
712	<i>M. conradicus</i>	51.05	14
713	<i>M. conradicus</i>	40.63	8
714	<i>M. conradicus</i>	44.83	11
715	<i>M. conradicus</i>	34.43	4
716	<i>M. conradicus</i>	38.14	5
717	<i>M. conradicus</i>	29.24	3
718	<i>M. conradicus</i>	45.06	11
719	<i>M. conradicus</i>	47.45	10
720	<i>M. conradicus</i>	36.11	5
721	<i>M. conradicus</i>	36.78	4
722	<i>M. conradicus</i>	45.2	10
723	<i>M. conradicus</i>	43.91	8
724	<i>M. conradicus</i>	47.35	11
725	<i>M. conradicus</i>	24.52	2

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
726	<i>M. conradicus</i>	44.24	9
727	<i>M. conradicus</i>	35.44	5
728	<i>M. conradicus</i>	36.51	6
729	<i>M. conradicus</i>	32.94	4
730	<i>M. conradicus</i>	38.92	7
731	<i>M. conradicus</i>	39.73	7
732	<i>M. conradicus</i>	41.78	7
733	<i>M. conradicus</i>	36.18	5
734	<i>M. conradicus</i>	37.45	6
735	<i>M. conradicus</i>	28.59	2
736	<i>M. conradicus</i>	42.75	7
737	<i>M. conradicus</i>	33.75	4
738	<i>M. conradicus</i>	44.36	10
739	<i>M. conradicus</i>	37.99	4
740	<i>M. conradicus</i>	48.94	13
741	<i>M. conradicus</i>	40.78	8
742	<i>M. conradicus</i>	26.73	2
743	<i>M. conradicus</i>	46.18	10
744	<i>M. conradicus</i>	42.51	7
745	<i>M. conradicus</i>	32.92	3
746	<i>M. conradicus</i>	36.58	6
747	<i>M. conradicus</i>	24.74	2
748	<i>M. conradicus</i>	37.5	5
749	<i>M. conradicus</i>	34.1	3
750	<i>M. conradicus</i>	29.99	3
751	<i>M. conradicus</i>	27.67	2
752	<i>M. conradicus</i>	38.64	6
753	<i>M. conradicus</i>	31.29	4
754	<i>M. conradicus</i>	47.04	11
755	<i>M. conradicus</i>	44.7	10
756	<i>L. fasciola</i>	23.29	2
757	<i>M. conradicus</i>	40.13	4
758	<i>M. conradicus</i>	28.95	3
759	<i>M. conradicus</i>	38.59	5
760	<i>L. fasciola</i>	13.11	0
761	<i>L. fasciola</i>	17.11	1
762	<i>L. fasciola</i>	22.74	2
763	<i>L. fasciola</i>	16.17	0

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
764	<i>L. fasciola</i>	19.25	1
765	<i>L. fasciola</i>	16.11	0
766	<i>L. fasciola</i>	17.26	0
767	<i>L. fasciola</i>	13.4	0
768	<i>L. fasciola</i>	22.44	2
769	<i>L. fasciola</i>	24.47	2
770	<i>L. fasciola</i>	20.36	1
771	<i>L. fasciola</i>	21.75	1
772	<i>L. fasciola</i>	21.04	0
773	<i>L. fasciola</i>	18.56	0
774	<i>L. fasciola</i>	23.85	2
775	<i>L. fasciola</i>	25.34	2
776	<i>L. fasciola</i>	22.99	2
777	<i>L. fasciola</i>	24.43	2
778	<i>L. fasciola</i>	19.45	1
779	<i>L. fasciola</i>	20.99	1
780	<i>L. fasciola</i>	26	2
781	<i>L. fasciola</i>	23.12	2
782	<i>L. fasciola</i>	20.65	0
783	<i>L. fasciola</i>	19.73	1
784	<i>L. fasciola</i>	25.96	2
785	<i>L. fasciola</i>	24.37	3
786	<i>L. fasciola</i>	22.23	3
787	<i>L. fasciola</i>	25.36	2
788	<i>L. fasciola</i>	27.67	3
789	<i>L. fasciola</i>	21.28	1
790	<i>L. fasciola</i>	17.74	0
791	<i>L. fasciola</i>	18.56	0
792	<i>L. fasciola</i>	20.91	1
793	<i>L. fasciola</i>	23.4	1
794	<i>L. fasciola</i>	22.26	0
795	<i>L. fasciola</i>	21.21	1
796	<i>L. fasciola</i>	22.37	1
797	<i>L. fasciola</i>	24.06	2
798	<i>L. fasciola</i>	21.25	1
799	<i>L. fasciola</i>	21.42	2
800	<i>L. fasciola</i>	23.23	2
801	<i>L. fasciola</i>	23.44	2

Table A-1. Initial Length and Weight of Translocated Mussels, 10/10/2013. Continued

TagNum	Species	Length (mm)	Weight (g)
802	<i>L. fasciola</i>	24.65	3
803	<i>L. fasciola</i>	17.82	1
804	<i>L. fasciola</i>	20.39	1
805	<i>L. fasciola</i>	13.27	0
806	<i>L. fasciola</i>	14.83	0
807	<i>L. fasciola</i>	17.49	0
808	<i>L. fasciola</i>	16.95	0
809	<i>L. fasciola</i>	20.01	2
810	<i>L. fasciola</i>	27.86	2
811	<i>L. fasciola</i>	18.7	0
812	<i>L. fasciola</i>	17.33	0
813	<i>L. fasciola</i>	20.96	0
814	<i>L. fasciola</i>	19.43	0
815	<i>L. fasciola</i>	21.52	0
816	<i>L. fasciola</i>	16.89	1
817	<i>L. fasciola</i>	18.18	0
818	<i>L. fasciola</i>	21.34	0
819	<i>L. fasciola</i>	18.9	0
820	<i>L. fasciola</i>	22.46	0
821	<i>L. fasciola</i>	19.84	1
822	<i>L. fasciola</i>	24.01	1
823	<i>L. fasciola</i>	19.16	0
824	<i>L. fasciola</i>	25.45	1
825	<i>L. fasciola</i>	21.26	1
826	<i>L. fasciola</i>	18.89	0
827	<i>L. fasciola</i>	18.87	0
828	<i>L. fasciola</i>	27.52	2
829	<i>L. fasciola</i>	19.92	1
830	<i>L. fasciola</i>	16.9	0
831	<i>L. fasciola</i>	19.29	0
832	<i>L. fasciola</i>	19.01	0
833	<i>L. fasciola</i>	25.88	2
834	<i>L. fasciola</i>	19.56	0
835	<i>L. fasciola</i>	22.88	2
836	<i>L. fasciola</i>	20.77	1
837	<i>L. fasciola</i>	23.18	2
838	<i>L. fasciola</i>	17.17	1
839	<i>L. fasciola</i>	18.11	1

Table A-2. Length and Weight of Translocated Mussels on Interim Survey, 6/10/2014

TagNum	Species	Length (mm)	Weight (g)*
1	<i>L. fasciola</i>	27.36	3
7	<i>L. fasciola</i>	29.34	
8	<i>L. fasciola</i>	25.26	3
14	<i>L. fasciola</i>	32.11	5
17	<i>M. conradicus</i>	27.39	3
26	<i>L. fasciola</i>	27.23	2
29	<i>L. fasciola</i>	21.78	1
33	<i>L. fasciola</i>	23.84	2
34	<i>L. fasciola</i>	26.42	3
35	<i>L. fasciola</i>	22.79	1
38	<i>L. fasciola</i>	25.71	2.3
48	<i>L. fasciola</i>	30.75	4
55	<i>L. fasciola</i>	34.73	6.4
57	<i>L. fasciola</i>	27.32	4
58	<i>L. fasciola</i>	23.59	0.6
60	<i>L. fasciola</i>	23.87	2.2
62	<i>L. fasciola</i>	29.08	3.6
63	<i>L. fasciola</i>	25.44	3
65	<i>L. fasciola</i>	26.25	3
67	<i>L. fasciola</i>	27.07	2
74	<i>L. fasciola</i>	28.24	3
75	<i>L. fasciola</i>	24.08	2
83	<i>L. fasciola</i>	27.62	3
87	<i>L. fasciola</i>	20.65	2
91	<i>L. fasciola</i>	28.59	3.4
92	<i>L. fasciola</i>	24.76	3
93	<i>L. fasciola</i>	28.79	3
94	<i>L. fasciola</i>	22.67	1
98	<i>L. fasciola</i>	25.03	2
101	<i>L. fasciola</i>	34.25	6.2
106	<i>L. fasciola</i>		
110	<i>L. fasciola</i>	24.86	2
112	<i>L. fasciola</i>	30.36	4
117	<i>L. fasciola</i>	20.79	1
118	<i>L. fasciola</i>	26.17	2
119	<i>L. fasciola</i>	24.54	2.3
121	<i>M. conradicus</i>	27.36	3
123	<i>M. conradicus</i>	24.31	2

Table A-2. Length and Weight of Translocated Mussels on Interim Survey, 6/10/2014.
Continued

TagNum	Species	Length (mm)	Weight (g)*
124	<i>L. fasciola</i>	26.6	3
129	<i>L. fasciola</i>	26.6	3
131	<i>L. fasciola</i>	19.47	1.2
137	<i>L. fasciola</i>	29.06	4
142	<i>L. fasciola</i>	26.56	3
146	<i>L. fasciola</i>	28.73	3
147	<i>L. fasciola</i>	21.5	0.6
156	<i>L. fasciola</i>	25.85	3
157	<i>L. fasciola</i>	23.89	1.9
162	<i>L. fasciola</i>	24.46	2.1
165	<i>L. fasciola</i>	25.8	2.8
168	<i>L. fasciola</i>	27.37	3
171	<i>L. fasciola</i>	23.96	1.9
174	<i>L. fasciola</i>	30.6	4
178	<i>L. fasciola</i>	29.45	4
184	<i>L. fasciola</i>	27.32	4
186	<i>L. fasciola</i>	29.14	3
192	<i>L. fasciola</i>	29.48	3.7
200	<i>M. conradicus</i>	32.82	6
201	<i>M. conradicus</i>	24.33	2
204	<i>L. fasciola</i>	23.61	2
208	<i>M. conradicus</i>	26.41	3
221	<i>L. fasciola</i>	25.97	3
222	<i>L. fasciola</i>	24.3	2.2
224	<i>M. conradicus</i>	25.2	3
225	<i>L. fasciola</i>	25.7	3
227	<i>L. fasciola</i>	25.72	2.5
242	<i>L. fasciola</i>	28.28	3.9
244	<i>L. fasciola</i>		
247	<i>L. fasciola</i>	25.38	3
251	<i>L. fasciola</i>	26.57	2
256	<i>L. fasciola</i>	28.44	4
258	<i>L. fasciola</i>	22.35	2
259	<i>L. fasciola</i>	27.78	4
260	<i>L. fasciola</i>	28.11	3
269	<i>L. fasciola</i>	27.8	3.1
271	<i>L. fasciola</i>	27.49	4

Table A-2. Length and Weight of Translocated Mussels on Interim Survey, 6/10/2014.
Continued

TagNum	Species	Length (mm)	Weight (g)*
273	<i>L. fasciola</i>	22.36	2
285	<i>L. fasciola</i>	25.77	2.6
288	<i>L. fasciola</i>		
289	<i>L. fasciola</i>	21.96	1.6
294	<i>L. fasciola</i>	19.95	1.2
305	<i>L. fasciola</i>	26.09	2.5
307	<i>L. fasciola</i>	27.31	3.2
328	<i>L. fasciola</i>	22.71	1.6
335	<i>L. fasciola</i>	20.48	1.5
351	<i>L. fasciola</i>	25.75	2.7
356	<i>L. fasciola</i>	29.09	4
358	<i>L. fasciola</i>	26.44	2
359	<i>L. fasciola</i>	22.42	1.6
362	<i>L. fasciola</i>	26.96	3
364	<i>L. fasciola</i>	25.83	2.8
374	<i>L. fasciola</i>	23.95	2
378	<i>L. fasciola</i>	24.17	2
379	<i>L. fasciola</i>	26.77	2.7
381	<i>L. fasciola</i>	23.26	1.8
390	<i>L. fasciola</i>	25.16	2.5
398	<i>M. conradicus</i>	45.79	9.9
408	<i>M. conradicus</i>	36.12	
419	<i>M. conradicus</i>	32.04	
424	<i>M. conradicus</i>	34.12	1.9
437	<i>M. conradicus</i>	37.09	4.4
445	<i>M. conradicus</i>	34.32	
447	<i>M. conradicus</i>	39.58	
450	<i>M. conradicus</i>	52.59	
453	<i>M. conradicus</i>	34.87	
484	<i>M. conradicus</i>	40.46	6.1
515	<i>M. conradicus</i>	45.45	8.3
549	<i>M. conradicus</i>	33.69	
553	<i>M. conradicus</i>	45.84	
556	<i>M. conradicus</i>	44.56	
557	<i>M. conradicus</i>		
568	<i>M. conradicus</i>	43.63	
569	<i>M. conradicus</i>	32.06	

Table A-2. Length and Weight of Translocated Mussels on Interim Survey, 6/10/2014.
Continued

TagNum	Species	Length (mm)	Weight (g)*
570	<i>M. conradicus</i>	29.71	2
571	<i>M. conradicus</i>	37.79	
573	<i>M. conradicus</i>	40.66	6.3
575	<i>M. conradicus</i>	42.56	
576	<i>M. conradicus</i>	40.81	3.5
579	<i>M. conradicus</i>	39.66	
580	<i>M. conradicus</i>	39.7	
581	<i>M. conradicus</i>	45.24	
588	<i>M. conradicus</i>	40.64	
696	<i>M. conradicus</i>		
713	<i>M. conradicus</i>	45.34	10.9
719	<i>M. conradicus</i>		
743	<i>M. conradicus</i>		
762	<i>L. fasciola</i>	30.79	4.7
769	<i>L. fasciola</i>	22.75	1.9
770	<i>L. fasciola</i>	21	1.3
773	<i>L. fasciola</i>	21.39	1.4
774	<i>L. fasciola</i>	24.82	2
793	<i>L. fasciola</i>	26.25	2.7
798	<i>L. fasciola</i>	26.08	3
803	<i>L. fasciola</i>		
805	<i>L. fasciola</i>	23.12	2
808	<i>L. fasciola</i>	18.75	1
820	<i>L. fasciola</i>	26.13	2.5
829	<i>L. fasciola</i>	23.52	1.7

*Dead mussels were not weighed. Mussels with a blank weight cell were dead at the second survey.

Table A-3. Length and Weight of Translocated Mussels on Final Survey, 9/23/2014

TagNum	Species	Length (mm)	Weight (g)*
0	<i>L. fasciola</i>		
1	<i>L. fasciola</i>	29.68	3.393
2	<i>L. fasciola</i>	35.5	6.676
3	<i>L. fasciola</i>	20.11	
6	<i>L. fasciola</i>	34.54	5.703
8	<i>L. fasciola</i>	27.3	3.085
9	<i>L. fasciola</i>	32.05	4.691
10	<i>L. fasciola</i>	23.34	1.977
12	<i>L. fasciola</i>	33.14	4.9
14	<i>L. fasciola</i>	33.14	4.989
17	<i>M. conradicus</i>	30	4.26
19	<i>L. fasciola</i>	30.12	4.4
25	<i>L. fasciola</i>	29.44	4.013
26	<i>L. fasciola</i>	29.38	3.163
29	<i>L. fasciola</i>	26.92	2.447
33	<i>L. fasciola</i>	26.48	2.75319
34	<i>L. fasciola</i>		
35	<i>L. fasciola</i>		
38	<i>L. fasciola</i>	33.42	5.5
40	<i>M. conradicus</i>		
42	<i>L. fasciola</i>		
44	<i>L. fasciola</i>	58.97	3.315
47	<i>L. fasciola</i>	37.64	7.34184
48	<i>L. fasciola</i>	32.51	5.71032
52	<i>L. fasciola</i>	28.59	2.85516
53	<i>L. fasciola</i>	20.79	
54	<i>L. fasciola</i>	37.8	8.36154
55	<i>L. fasciola</i>	44.13	13.9
57	<i>L. fasciola</i>	27.29	1.289
58	<i>L. fasciola</i>		
60	<i>L. fasciola</i>	24.01	
62	<i>L. fasciola</i>	41.04	9.7
63	<i>L. fasciola</i>		
65	<i>L. fasciola</i>	29.7	3.276
66	<i>L. fasciola</i>	20.78	
67	<i>L. fasciola</i>	30	3.46698

Table A-3. Length and Weight of Translocated Mussels on Final Survey, 9/23/2014. Continued

TagNum	Species	Length (mm)	Weight (g)*
69	<i>L. fasciola</i>	31.95	4.38471
70	<i>L. fasciola</i>	34.86	6.22017
72	<i>L. fasciola</i>		
74	<i>L. fasciola</i>	32.36	4.904
75	<i>L. fasciola</i>	25.25	2.616
81	<i>L. fasciola</i>	33.9	5.60835
83	<i>L. fasciola</i>	29.29	3.56895
86	<i>L. fasciola</i>	44.35	12.4
87	<i>L. fasciola</i>		
88	<i>M. conradicus</i>		
91	<i>L. fasciola</i>	36.7	7.4
92	<i>L. fasciola</i>	27.86	3.0591
93	<i>L. fasciola</i>	33.46	5.865
94	<i>L. fasciola</i>	24.28	2.113
97	<i>L. fasciola</i>	36.75	8.8
98	<i>L. fasciola</i>	26.64	2.405
101	<i>L. fasciola</i>		
102	<i>L. fasciola</i>	29.15	3.565
106	<i>L. fasciola</i>		
107	<i>L. fasciola</i>	39.14	8.8
108	<i>L. fasciola</i>	31.4	4.89456
110	<i>L. fasciola</i>	27.23	2.95713
111	<i>L. fasciola</i>	30.57	4.18077
112	<i>L. fasciola</i>	30.85	4.342
113	<i>L. fasciola</i>	35.74	5.71032
117	<i>L. fasciola</i>	22.07	1.316
118	<i>L. fasciola</i>	29.77	3.36501
119	<i>L. fasciola</i>	37.19	7.8
121	<i>L. fasciola</i>	28.27	3.11
123	<i>L. fasciola</i>	26.94	2.89
124	<i>L. fasciola</i>		
125	<i>L. fasciola</i>	27.23	2.598
126	<i>L. fasciola</i>	27.59	2.24334
129	<i>L. fasciola</i>	37.83	8.6
130	<i>L. fasciola</i>	27.54	2.85516
131	<i>L. fasciola</i>	29.87	4.1
132	<i>L. fasciola</i>	29.09	3
133	<i>M. conradicus</i>		

Table A-3. Length and Weight of Translocated Mussels on Final Survey, 9/23/2014. Continued

TagNum	Species	Length (mm)	Weight (g)*
137	<i>L. fasciola</i>	31.36	4.69062
140	<i>L. fasciola</i>	28.68	2.396
142	<i>L. fasciola</i>		
144	<i>L. fasciola</i>	26.36	1.83546
146	<i>L. fasciola</i>		
147	<i>L. fasciola</i>		
149	<i>L. fasciola</i>		
152	<i>L. fasciola</i>	29.73	3.26304
154	<i>L. fasciola</i>	31.21	3.981
156	<i>L. fasciola</i>	30.13	4.334
157	<i>L. fasciola</i>	35.83	7
158	<i>L. fasciola</i>	35.21	6.8
160	<i>L. fasciola</i>	43.38	
162	<i>L. fasciola</i>	36.64	6.9
165	<i>L. fasciola</i>	36.52	7
167	<i>L. fasciola</i>	42	11.6
168	<i>L. fasciola</i>	29.83	3.87486
171	<i>L. fasciola</i>	28.27	3.8
173	<i>L. fasciola</i>	26.03	
174	<i>L. fasciola</i>		
175	<i>L. fasciola</i>	30.62	4.189
178	<i>L. fasciola</i>	32.03	3.927
180	<i>L. fasciola</i>	24.41	1.833
181	<i>L. fasciola</i>	34.31	
182	<i>L. fasciola</i>	33.19	4.9
183	<i>L. fasciola</i>	35.74	5.91426
184	<i>L. fasciola</i>	27.33	1.413
186	<i>L. fasciola</i>	26.93	
188	<i>M. conradicus</i>		
192	<i>L. fasciola</i>	41.15	10.4
195	<i>L. fasciola</i>	25.79	2.593
200	<i>M. conradicus</i>	35.63	6.49
201	<i>M. conradicus</i>	26.59	2.321
204	<i>L. fasciola</i>		
206	<i>L. fasciola</i>	33.56	4.99653
208	<i>M. conradicus</i>	27.63	2.76
217	<i>L. fasciola</i>	31.67	4.222
218	<i>L. fasciola</i>	23.46	1.906

Table A-3. Length and Weight of Translocated Mussels on Final Survey, 9/23/2014. Continued

TagNum	Species	Length (mm)	Weight (g)*
219	<i>L. fasciola</i>	41.78	8.8
221	<i>L. fasciola</i>		
222	<i>L. fasciola</i>	34.52	6.5
224	<i>M. conradicus</i>	26.97	2.503
225	<i>L. fasciola</i>		
226	<i>L. fasciola</i>	33.55	6.4
227	<i>L. fasciola</i>	33.71	6.2
231	<i>L. fasciola</i>	24.48	1.847
233	<i>L. fasciola</i>	35.17	6.189
239	<i>L. fasciola</i>	34.28	5.1
242	<i>L. fasciola</i>	37.25	8.8
244	<i>L. fasciola</i>		
245	<i>L. fasciola</i>	27.79	2.54925
247	<i>L. fasciola</i>		
248	<i>L. fasciola</i>	19.08	
250	<i>L. fasciola</i>	33.45	5.16
251	<i>L. fasciola</i>	27.52	2.956
253	<i>L. fasciola</i>	34.39	6.1182
255	<i>L. fasciola</i>	37.66	8.5
256	<i>L. fasciola</i>	36.92	8.3
257	<i>L. fasciola</i>	38.13	8.4
258	<i>L. fasciola</i>		
259	<i>L. fasciola</i>		
260	<i>L. fasciola</i>	31.59	3.911
261	<i>M. conradicus</i>		
264	<i>L. fasciola</i>	29.59	7.03593
268	<i>L. fasciola</i>	32.84	5.317
269	<i>L. fasciola</i>	40.68	9.8
271	<i>L. fasciola</i>	30.56	4.224
273	<i>L. fasciola</i>	22.81	1.541
279	<i>L. fasciola</i>	39.34	7.2
283	<i>L. fasciola</i>	37.69	8.5
285	<i>L. fasciola</i>	35.72	6.5
288	<i>L. fasciola</i>		
289	<i>L. fasciola</i>	32.32	5.3
291	<i>L. fasciola</i>	45.26	8.144
293	<i>L. fasciola</i>	31.6	4.5
294	<i>L. fasciola</i>	28.95	3.5

Table A-3. Length and Weight of Translocated Mussels on Final Survey, 9/23/2014. Continued

TagNum	Species	Length (mm)	Weight (g)*
300	<i>L. fasciola</i>	19.08	
301	<i>L. fasciola</i>	20.88	
304	<i>L. fasciola</i>	41.43	10.9
305	<i>L. fasciola</i>	36.34	6.6
307	<i>L. fasciola</i>	38.65	8.4
309	<i>L. fasciola</i>	31.93	4.5
320	<i>L. fasciola</i>	21.63	
322	<i>L. fasciola</i>	29.26	
324	<i>L. fasciola</i>	32.3	4.9
328	<i>L. fasciola</i>	33.14	5.5
332	<i>L. fasciola</i>	29.62	3.6
335	<i>L. fasciola</i>	32.05	5.1
338	<i>L. fasciola</i>	34.7	6.149
339	<i>L. fasciola</i>	26.04	
340	<i>L. fasciola</i>		
342	<i>L. fasciola</i>		
344	<i>L. fasciola</i>	22.47	1.627
345	<i>L. fasciola</i>		
350	<i>L. fasciola</i>	38.26	3.46698
351	<i>L. fasciola</i>	30.31	5.1
352	<i>L. fasciola</i>		3.958
354	<i>L. fasciola</i>		
356	<i>L. fasciola</i>	32.08	4.89456
357	<i>L. fasciola</i>	28.88	3.271
358	<i>L. fasciola</i>	27.66	2.768
359	<i>L. fasciola</i>	29.55	3.7
362	<i>L. fasciola</i>	28.62	3.36501
364	<i>L. fasciola</i>	32.61	5.8
366	<i>L. fasciola</i>	28.01	3.283
368	<i>L. fasciola</i>	35.17	5.403
374	<i>L. fasciola</i>	26.78	2.29
378	<i>L. fasciola</i>	28.05	2.982
379	<i>L. fasciola</i>	37.86	8.3
381	<i>L. fasciola</i>	22.8	5.7
384	<i>L. fasciola</i>	26.16	
385	<i>L. fasciola</i>	35.21	6.1
386	<i>L. fasciola</i>	28.23	3.061
387	<i>L. fasciola</i>	29.23	3.749

Table A-3. Length and Weight of Translocated Mussels on Final Survey, 9/23/2014. Continued

TagNum	Species	Length (mm)	Weight (g)*
388	<i>L. fasciola</i>		
390	<i>L. fasciola</i>	33.83	6
392	<i>L. fasciola</i>	20.02	
395	<i>L. fasciola</i>	29.73	3.7
398	<i>M. conradicus</i>	47.68	10
406	<i>M. conradicus</i>	44.1	10
408	<i>M. conradicus</i>		
419	<i>M. conradicus</i>		
422	<i>M. conradicus</i>	41.33	5.799
423	<i>M. conradicus</i>	41.49	6.48
424	<i>M. conradicus</i>		
429	<i>M. conradicus</i>	48.05	12
435	<i>M. conradicus</i>	29.45	1
437	<i>M. conradicus</i>	37.93	4.495
445	<i>M. conradicus</i>		
447	<i>M. conradicus</i>		
448	<i>M. conradicus</i>	47.74	12.1
449	<i>M. conradicus</i>	47.42	9.4
450	<i>M. conradicus</i>		
452	<i>M. conradicus</i>	45.72	6.7
453	<i>M. conradicus</i>		
461	<i>M. conradicus</i>	48.29	10.3
462	<i>M. conradicus</i>	42.66	6.2
464	<i>M. conradicus</i>	48.88	
480	<i>M. conradicus</i>	41.8	2.8
483	<i>M. conradicus</i>	40.88	5.5
484	<i>M. conradicus</i>	43.11	7
488	<i>M. conradicus</i>	33.02	3
505	<i>M. conradicus</i>	45.9	12.688
507	<i>M. conradicus</i>		
509	<i>M. conradicus</i>		
515	<i>M. conradicus</i>	47.63	9.3
516	<i>M. conradicus</i>		
517	<i>M. conradicus</i>	45	10.7
521	<i>M. conradicus</i>	39.24	5.21
525	<i>M. conradicus</i>	36.09	4.2
548	<i>M. conradicus</i>	46.93	10.248
549	<i>M. conradicus</i>		

Table A-3. Length and Weight of Translocated Mussels on Final Survey, 9/23/2014. Continued

TagNum	Species	Length (mm)	Weight (g)*
550	<i>M. conradicus</i>	48.54	
553	<i>M. conradicus</i>		
556	<i>M. conradicus</i>		
557	<i>M. conradicus</i>		
560	<i>M. conradicus</i>	45.14	
561	<i>M. conradicus</i>	42.85	8.653
562	<i>M. conradicus</i>	43.28	7.101
568	<i>M. conradicus</i>		
569	<i>M. conradicus</i>		
570	<i>M. conradicus</i>	32.39	2.135
571	<i>M. conradicus</i>		
572	<i>M. conradicus</i>	25.31	1.194
573	<i>M. conradicus</i>	42.63	6.9
574	<i>M. conradicus</i>	46.81	10.1
575	<i>M. conradicus</i>		
576	<i>M. conradicus</i>		
577	<i>M. conradicus</i>	38.01	5.829
578	<i>M. conradicus</i>	34.86	
579	<i>M. conradicus</i>		
580	<i>M. conradicus</i>	41.14	6.2
581	<i>M. conradicus</i>		
585	<i>M. conradicus</i>	27.45	9.368
586	<i>M. conradicus</i>	32.27	3.263
588	<i>M. conradicus</i>		
593	<i>M. conradicus</i>		
596	<i>M. conradicus</i>	43.51	7.7
605	<i>M. conradicus</i>		
607	<i>M. conradicus</i>		
612	<i>M. conradicus</i>	50.92	
613	<i>M. conradicus</i>	32.85	3.177
615	<i>M. conradicus</i>	45.79	
624	<i>M. conradicus</i>	41.55	7.8
630	<i>M. conradicus</i>	42.92	8
647	<i>M. conradicus</i>	33.97	3.7
657	<i>M. conradicus</i>		
661	<i>M. conradicus</i>	48.14	7.8
668	<i>M. conradicus</i>	40.25	5.2
669	<i>M. conradicus</i>	33.25	

Table A-3. Length and Weight of Translocated Mussels on Final Survey, 9/23/2014. Continued

TagNum	Species	Length (mm)	Weight (g)*
671	<i>M. conradicus</i>	49.53	11.8
673	<i>M. conradicus</i>	41.63	7.4
677	<i>M. conradicus</i>	46.17	9.2
680	<i>M. conradicus</i>	47.01	
682	<i>M. conradicus</i>	38.85	4.4
691	<i>M. conradicus</i>	36.43	4.8
695	<i>M. conradicus</i>	45.21	8.3
696	<i>M. conradicus</i>		
700	<i>M. conradicus</i>	44.38	7.4
712	<i>M. conradicus</i>	50.87	
713	<i>M. conradicus</i>	46.67	11
715	<i>M. conradicus</i>	40.05	
716	<i>M. conradicus</i>	38.59	4.9
719	<i>M. conradicus</i>		
743	<i>M. conradicus</i>		
761	<i>L. fasciola</i>	33.49	5.8
762	<i>L. fasciola</i>	39.97	10.3
769	<i>L. fasciola</i>		
770	<i>L. fasciola</i>	33.85	4.5
771	<i>L. fasciola</i>	34.79	5.8
773	<i>L. fasciola</i>	35.05	6.7
774	<i>L. fasciola</i>	31.37	5.1
777	<i>L. fasciola</i>	38.2	7.8
779	<i>L. fasciola</i>	21.46	
780	<i>L. fasciola</i>	38.05	8.5
781	<i>L. fasciola</i>	36.13	6.6
783	<i>L. fasciola</i>	35.08	6.1
784	<i>L. fasciola</i>	39.26	9.5
787	<i>L. fasciola</i>	38.87	8.4
792	<i>L. fasciola</i>	32.61	5.2
793	<i>L. fasciola</i>	37.6	7
798	<i>L. fasciola</i>	37.6	8.5
802	<i>L. fasciola</i>	40.53	11.5
803	<i>L. fasciola</i>		
805	<i>L. fasciola</i>	35.7	7.1
808	<i>L. fasciola</i>	26.28	2.9
820	<i>L. fasciola</i>	40.15	9.6
829	<i>L. fasciola</i>	34.16	5.7

Table A-3. Length and Weight of Translocated Mussels on Final Survey, 9/23/2014. Continued

TagNum	Species	Length (mm)	Weight (g)*
836	<i>L. fasciola</i>	39.21	8
837	<i>L. fasciola</i>	38.02	5.6

*Dead mussels were not weighed. Mussels with a blank weight cell were dead at the final survey.

Appendix B. Analysis of Growth Rate Effects [TBD – change to App C]

Table B-1. Absolute Growth Rate Data

TagNum	Destination	Species	House	30 day Absolute Growth Rate
251	0	0	0	0.10862069
94	0	0	0	0.140517241
117	0	0	0	0.149137931
1	0	0	0	0.150862069
112	0	0	0	0.154310345
195	0	0	0	0.168965517
358	0	0	0	0.170689655
26	0	0	0	0.197413793
8	0	0	0	0.218965517
273	0	0	0	0.220689655
98	0	0	0	0.225
231	0	0	0	0.243103448
14	0	0	0	0.255172414
178	0	0	0	0.295689655
65	0	0	0	0.304310345
125	0	0	0	0.306896552
374	0	0	0	0.35
75	0	0	0	0.368965517
74	0	0	0	0.412068966
180	0	0	0	0.414655172
25	0	0	0	0.437068966
218	0	0	0	0.437931034
338	0	0	0	0.450862069
271	0	0	0	0.454310345
260	0	0	0	0.468965517
102	0	0	0	0.504310345
93	0	0	0	0.512068966
357	0	0	0	0.513793103
378	0	0	0	0.530172414
6	0	0	0	0.536206897
366	0	0	0	0.551724138
154	0	0	0	0.620689655
387	0	0	0	0.65
386	0	0	0	0.725
97	0	0	0	1.20862069
291	0	0	0	2.162931034
144	0	0	1	-0.086206897

Table B-1. Absolute Growth Rate Data. Continued

TagNum	Destination	Species	House	30 day Absolute Growth Rate
344	0	0	1	0.121551724
48	0	0	1	0.144827586
10	0	0	1	0.289655172
362	0	0	1	0.29137931
110	0	0	1	0.303448276
67	0	0	1	0.314655172
83	0	0	1	0.343965517
137	0	0	1	0.355172414
233	0	0	1	0.360344828
245	0	0	1	0.372413793
168	0	0	1	0.375862069
111	0	0	1	0.376724138
92	0	0	1	0.38362069
356	0	0	1	0.430172414
206	0	0	1	0.445689655
33	0	0	1	0.450862069
52	0	0	1	0.457758621
108	0	0	1	0.465517241
156	0	0	1	0.493103448
81	0	0	1	0.504310345
368	0	0	1	0.511206897
69	0	0	1	0.512931034
268	0	0	1	0.515517241
118	0	0	1	0.522413793
250	0	0	1	0.54137931
152	0	0	1	0.544827586
253	0	0	1	0.555172414
113	0	0	1	0.571551724
130	0	0	1	0.575862069
2	0	0	1	0.585344828
175	0	0	1	0.606896552
70	0	0	1	0.625
9	0	0	1	0.65862069
264	0	0	1	0.668965517
54	0	0	1	0.674137931
140	0	0	1	0.720689655
183	0	0	1	0.725

Table B-1. Absolute Growth Rate Data. Continued

TagNum	Destination	Species	House	30 day Absolute Growth Rate
29	0	0	1	0.775
47	0	0	1	0.807758621
217	0	0	1	0.879310345
350	0	0	1	1.451724138
44	0	0	1	3.280172414
585	0	1	0	-1.6
562	0	1	0	-0.169827586
577	0	1	0	-0.051724138
521	0	1	0	-0.045689655
505	0	1	0	-0.021551724
586	0	1	0	0
423	0	1	0	0.009482759
548	0	1	0	0.011206897
422	0	1	0	0.013793103
437	0	1	0	0.063793103
572	0	1	0	0.288793103
570	0	1	0	0.321551724
561	0	1	0	0.438793103
615	0	1	0	1.114655172
121	0	1	1	0.109482759
224	0	1	1	0.218965517
200	0	1	1	0.464655172
208	0	1	1	0.482758621
17	0	1	1	0.493103448
774	1	0	0	0.648275862
132	1	0	0	0.661206897
19	1	0	0	0.79137931
182	1	0	0	0.807758621
364	1	0	0	0.839655172
395	1	0	0	0.870689655
324	1	0	0	0.89137931
390	1	0	0	0.91637931
309	1	0	0	0.927586207
226	1	0	0	0.948275862
792	1	0	0	1.00862069
780	1	0	0	1.038793103
242	1	0	0	1.051724138

Table B-1. Absolute Growth Rate Data. Continued

TagNum	Destination	Species	House	30 day Absolute Growth Rate
279	1	0	0	1.063793103
781	1	0	0	1.121551724
771	1	0	0	1.124137931
239	1	0	0	1.143965517
777	1	0	0	1.187068966
55	1	0	0	1.209482759
86	1	0	0	1.23362069
379	1	0	0	1.260344828
837	1	0	0	1.279310345
256	1	0	0	1.287931034
304	1	0	0	1.318965517
285	1	0	0	1.349137931
802	1	0	0	1.368965517
219	1	0	0	1.464655172
820	1	0	0	1.525
129	1	0	0	1.531034483
62	1	0	0	1.549137931
257	1	0	0	1.556034483
167	1	0	0	1.58362069
836	1	0	0	1.589655172
381	1	0	1	-0.075
171	1	0	1	0.368965517
351	1	0	1	0.398275862
38	1	0	1	0.676724138
91	1	0	1	0.706034483
332	1	0	1	0.715517241
294	1	0	1	0.772413793
808	1	0	1	0.804310345
359	1	0	1	0.903448276
131	1	0	1	0.927586207
305	1	0	1	0.944827586
12	1	0	1	0.971551724
293	1	0	1	0.973275862
335	1	0	1	0.99137931
307	1	0	1	1.014655172
227	1	0	1	1.034482759
162	1	0	1	1.04137931

Table B-1. Absolute Growth Rate Data. Continued

TagNum	Destination	Species	House	30 day Absolute Growth Rate
192	1	0	1	1.05
222	1	0	1	1.079310345
157	1	0	1	1.080172414
119	1	0	1	1.104310345
107	1	0	1	1.139655172
269	1	0	1	1.145689655
784	1	0	1	1.146551724
289	1	0	1	1.153448276
328	1	0	1	1.15862069
770	1	0	1	1.162931034
787	1	0	1	1.164655172
283	1	0	1	1.215517241
158	1	0	1	1.21637931
793	1	0	1	1.224137931
829	1	0	1	1.227586207
385	1	0	1	1.271551724
783	1	0	1	1.323275862
165	1	0	1	1.379310345
798	1	0	1	1.409482759
761	1	0	1	1.412068966
255	1	0	1	1.413793103
773	1	0	1	1.421551724
762	1	0	1	1.485344828
805	1	0	1	1.93362069
657	1	1	0	-0.425
406	1	1	0	-0.043965517
435	1	1	0	-0.001724138
716	1	1	0	0.038793103
580	1	1	0	0.114655172
398	1	1	0	0.14137931
448	1	1	0	0.144827586
515	1	1	0	0.147413793
573	1	1	0	0.147413793
630	1	1	0	0.281034483
700	1	1	0	0.484482759
713	1	1	0	0.520689655
691	1	1	0	0.55

Table B-1. Absolute Growth Rate Data. Continued

TagNum	Destination	Species	House	30 day Absolute Growth Rate
695	1	1	0	0.578448276
449	1	1	0	0.601724138
484	1	1	0	0.668103448
452	1	1	0	0.711206897
483	1	1	0	0.771551724
596	1	1	0	1.218103448
480	1	1	0	1.489655172
647	1	1	1	-0.610344828
517	1	1	1	0.038793103
574	1	1	1	0.118103448
525	1	1	1	0.239655172
661	1	1	1	0.25862069
668	1	1	1	0.275
429	1	1	1	0.447413793
671	1	1	1	0.498275862
673	1	1	1	0.531034483
461	1	1	1	0.569827586
677	1	1	1	0.570689655
462	1	1	1	0.621551724
682	1	1	1	0.830172414
488	1	1	1	0.831034483

Table B-2. Absolute Growth Rate Summary Statistics

Destination	Species	House	N Obs	Mean	Std Dev	Min	Max
0	0	0	36	0.43	0.37	0.11	2.16
		1	43	0.57	0.49	-0.09	3.28
	1	0	14	0.03	0.57	-1.60	1.11
		1	5	0.35	0.18	0.11	0.49
1	0	0	33	1.16	0.28	0.65	1.59
		1	41	1.06	0.34	-0.08	1.93
	1	0	20	0.41	0.45	-0.43	1.49
		1	14	0.37	0.37	-0.61	0.83

Key	Obs	Observation number
	TagNum	Tag Number of mussel
	Length	Length of mussel (mm)
	LifeStatus	Live (1) or Dead (0)
	SCStatus	Silo or Cage Status: 0 Not Silted 1 Lightly Silted 2 Moderately Silted 3 Heavily Silted
	Destination	Location mussel translocated to 0 Pigeon River 1 Nolichucky River
	Species	Mussel Species 0 <i>Lampsilis fasciola</i> 1 <i>Medionidus conradicus</i>
	House	Housing mussels placed in 0 Cage 1 Silo
	Time	Observation Time 1 9/10/2013 2 6/10/2014 3 9/23/2014
	Replication	Replication number of the (Destination, Species, House, Time) instance

Table B-3. SAS GLIMMIX Procedure Model Information

Data Set	WORKS.RANKS
Response Variable	RankGrowthRate
Response Distribution	Gaussian
Link Function	Identity
Variance Function	Default
Variance Matrix	Not blocked
Estimation Technique	Restricted Maximum Likelihood
Degrees of Freedom Method	Containment

Table B-4. Type III Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
Destination	1	96.87	24.70	<.0001
Species	1	40.73	25.01	<.0001
Destination*Species	1	40.73	24.36	<.0001
House	1	85.05	28.63	<.0001
Destination*House	1	85.05	20.21	<.0001
Species*House	1	85.05	50.74	<.0001
Destination*Species*House	1	85.05	0.09	0.7614

Num DF: Demoninator degrees of freedom

Den DF: Numerator degrees of freedom

Pr > F (p-value < α , $\alpha = 0.05$)

Table B-5. Mean separation for Rank GrowthRate

Set	Average Sig Diff Value	Minimum Sig Diff Value	Maximum Sig Diff Value
1	19.462	19.462	19.462
2	12.738	12.738	12.738
3	28.9059	22.0691	36.4885
4	6.02438	6.02438	6.02438
5	22.1534	9.19441	28.4079
6	16.3418	6.98988	20.4908
7	34.1072	11.5577	49.8541

Figure B-1. LS-Means for Destination [TBD]

Table B-6. PDMIX Mean Separation for Rank GrowthRate, Effect=Destination

Method=Bonferroni(P<0.05) Set=1

Obs	Destin- ation	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
1	0	84.2069	7.1912	84.2069	7.1912	B
2	1	132.95	6.6662	132.95	6.6662	A

Table B-7. PDMIX Mean Separation for Rank GrowthRate, Effect=Species

Method=Bonferroni(P<0.05) Set=2

Obs	Species	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
3	0	124.34	4.6798	124.34	4.6798	A
4	1	92.8084	6.7867	92.8084	6.7867	B

Table B-8. PDMIX Mean Separation for Rank GrowthRate, Effect=Destination*Species

Method=Bonferroni(P<0.05) Set=3

Obs	Destination	Species	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
5	0	0	84.4128	6.5342	84.4128	6.5342	B
6	0	1	84.0010	10.4499	84.0010	10.4499	B
7	1	0	164.27	6.7012	164.27	6.7012	A
8	1	1	101.62	8.6623	101.62	8.6623	B

Table B-9. PDMIX Mean Separation for Rank GrowthRate, Effect=House

Method=Bonferroni(P<0.05) Set=4

Obs	House	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
9	0	100.47	4.9571	100.47	4.9571	B
10	1	116.68	5.3003	116.68	5.3003	A

Table B-10. PDMIX Mean Separation for Rank GrowthRate, Effect=Destination*House

Method=Bonferroni(P<0.05) Set=5

Obs	Destination	House	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
11	0	0	69.2897	7.1812	69.2897	7.1812	C
12	0	1	99.1241	8.0275	99.1241	8.0275	B
13	1	0	131.65	6.8354	131.65	6.8354	A
14	1	1	134.24	6.9233	134.24	6.9233	A

Table B-11. PDMIX Mean Separation for Rank GrowthRate, Effect=Species*House

Method=Bonferroni(P<0.05) Set=6

Obs	Species	House	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
15	0	0	127.03	4.9132	127.03	4.9132	A
16	0	1	121.66	4.7954	121.66	4.7954	A
17	1	0	73.9105	6.7518	73.9105	6.7518	B
18	1	1	111.71	7.8459	111.71	7.8459	A

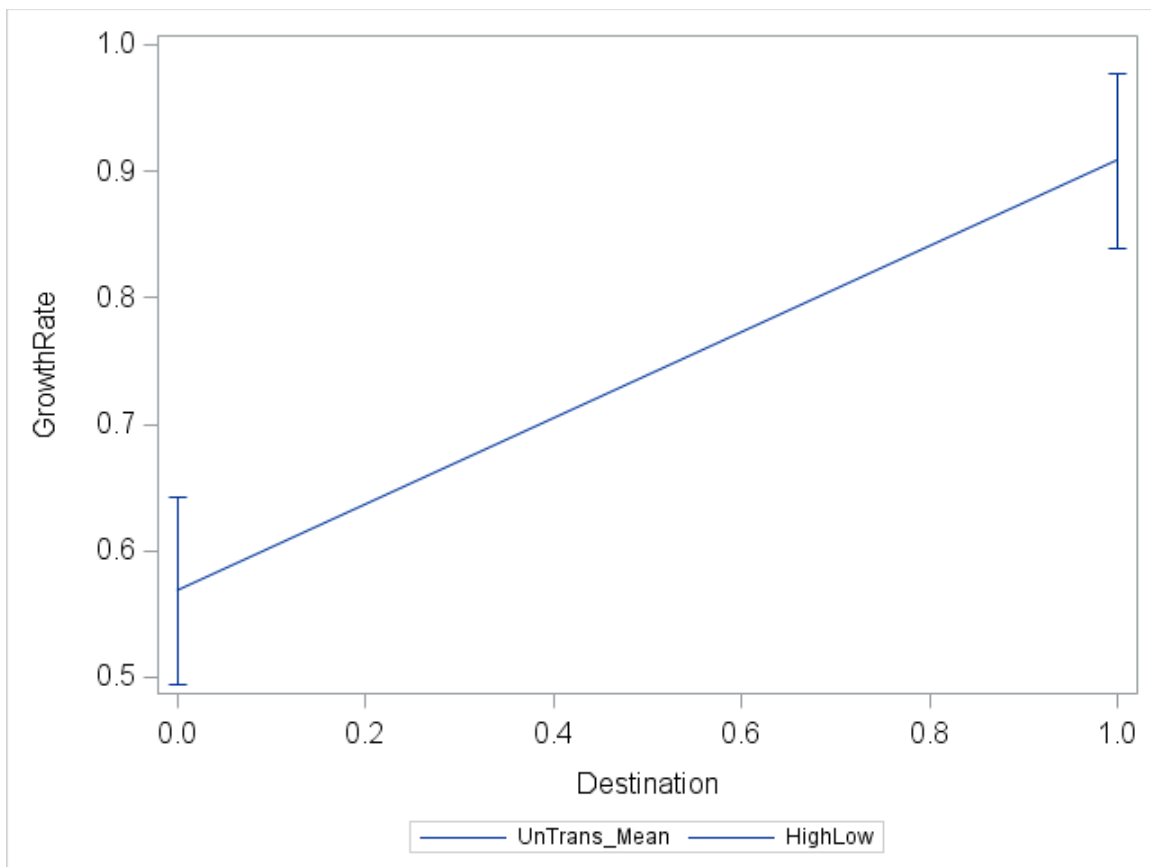


Figure B-2. Plot of Destination untransformed least squares means for Absolute GrowthRate

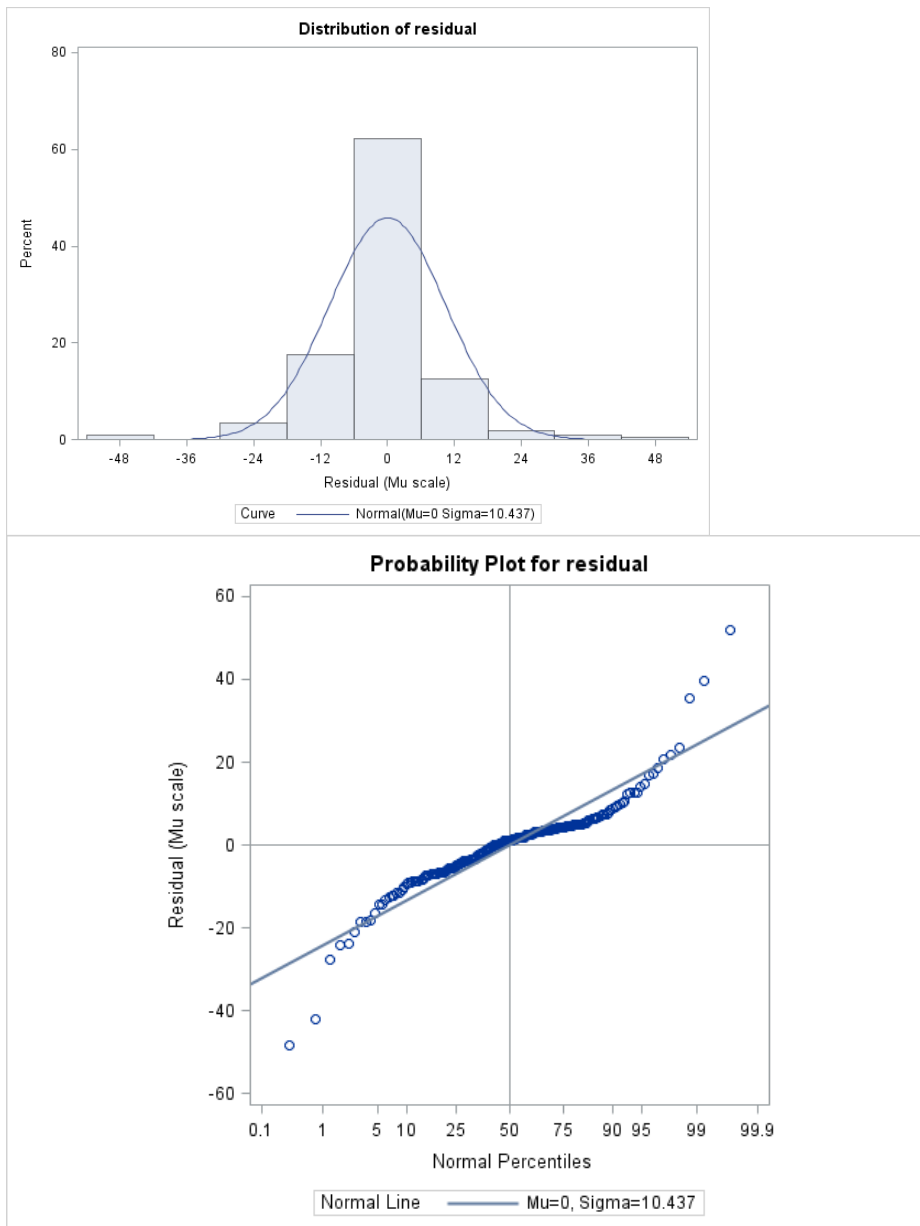


Figure B-3. Check on Normality for Rank GrowthRate

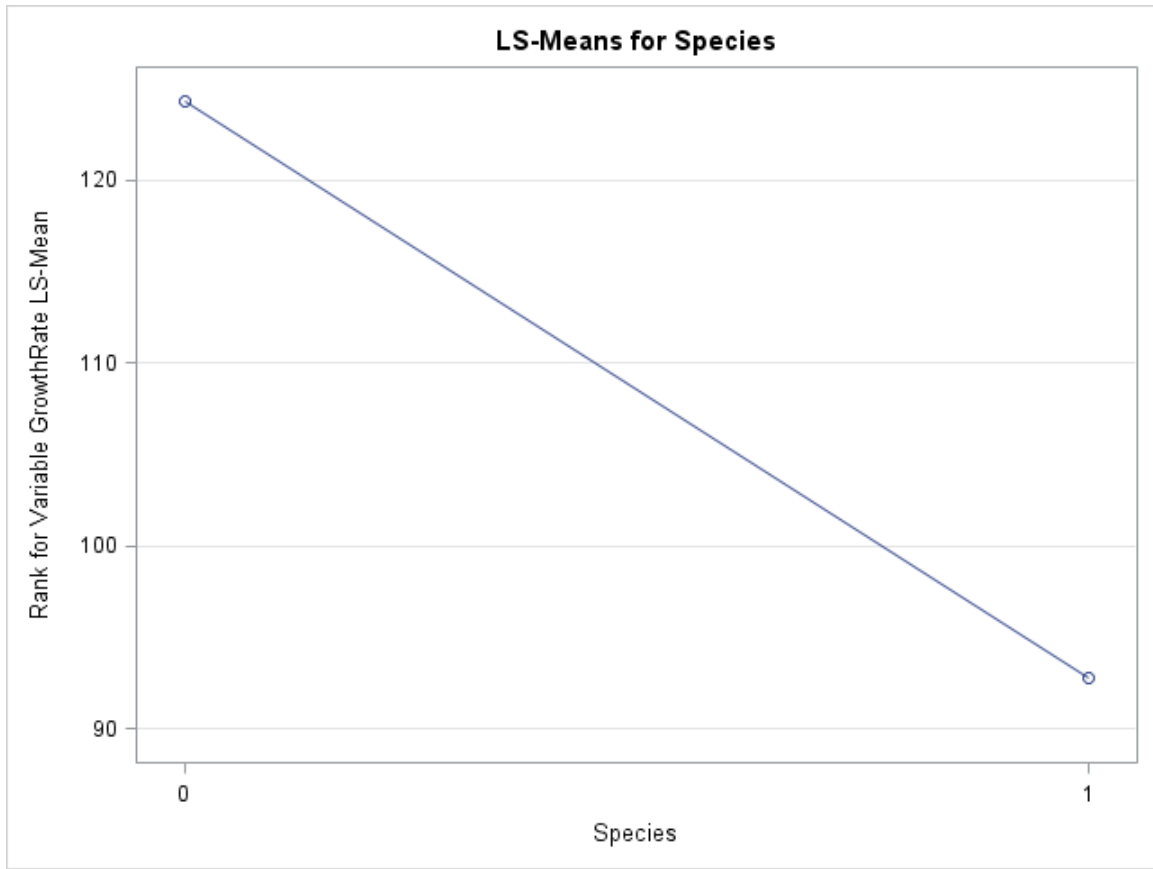


Figure B-4. Plot of Rank GrowthRate least-squares means for Species (TBD fix fig)

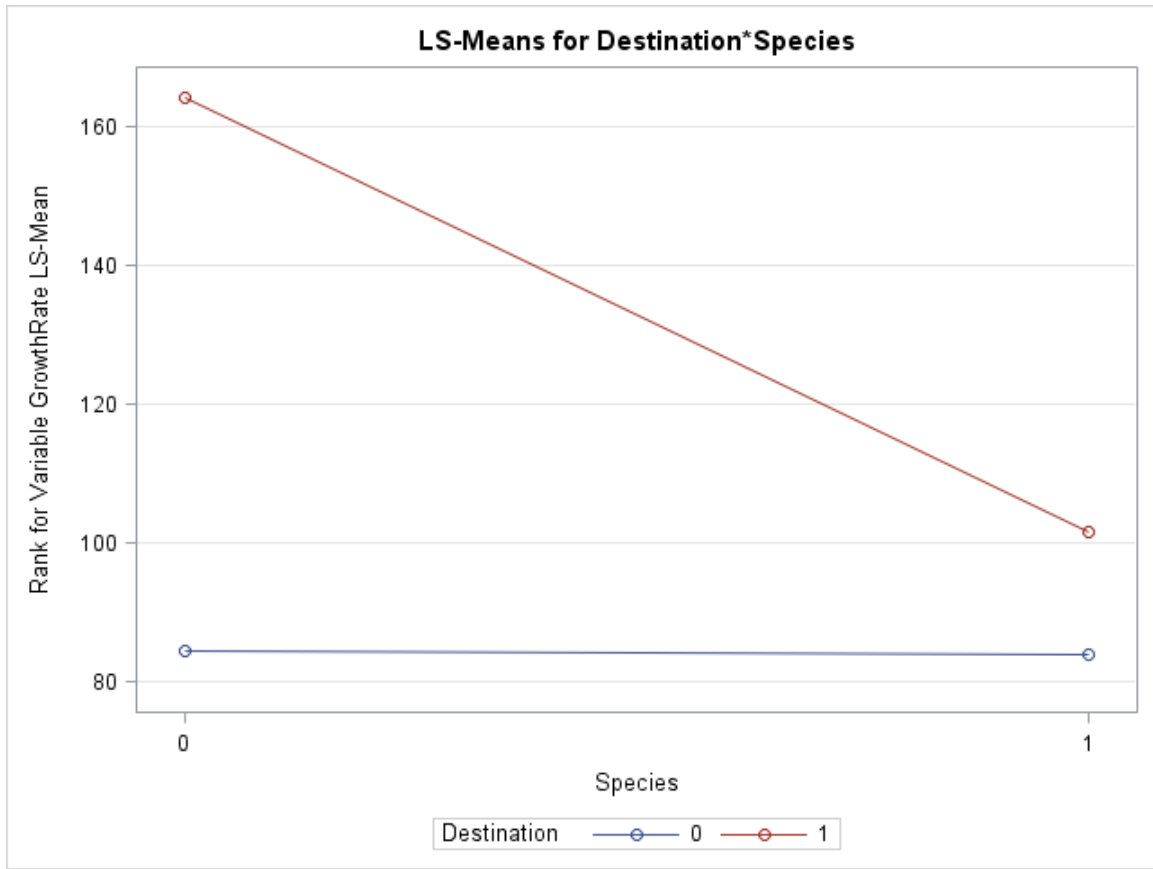


Figure B-5. Plot of Rank GrowthRate least-squares means for Destination*Species (tbd fix fig)

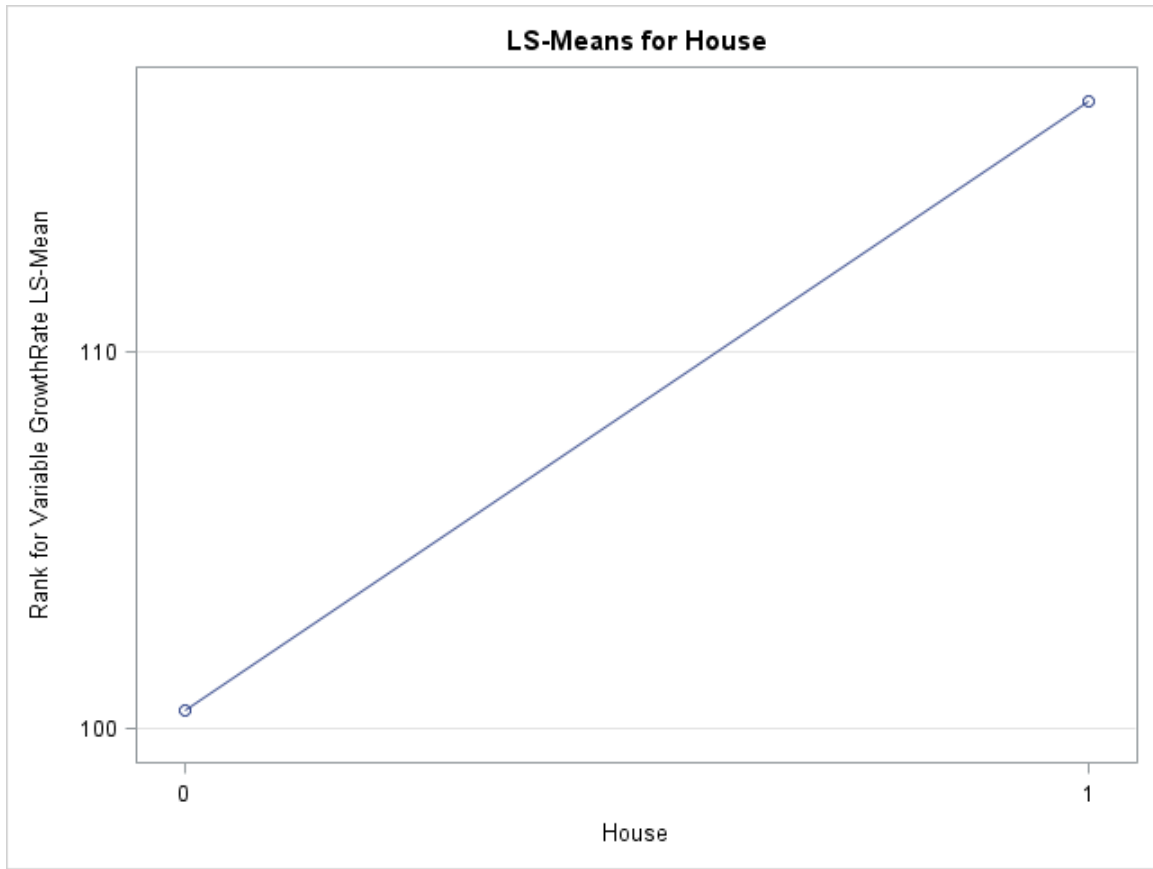


Figure B-6. Plot of Rank GrowthRate least-squares means for House [tbd fix fig]

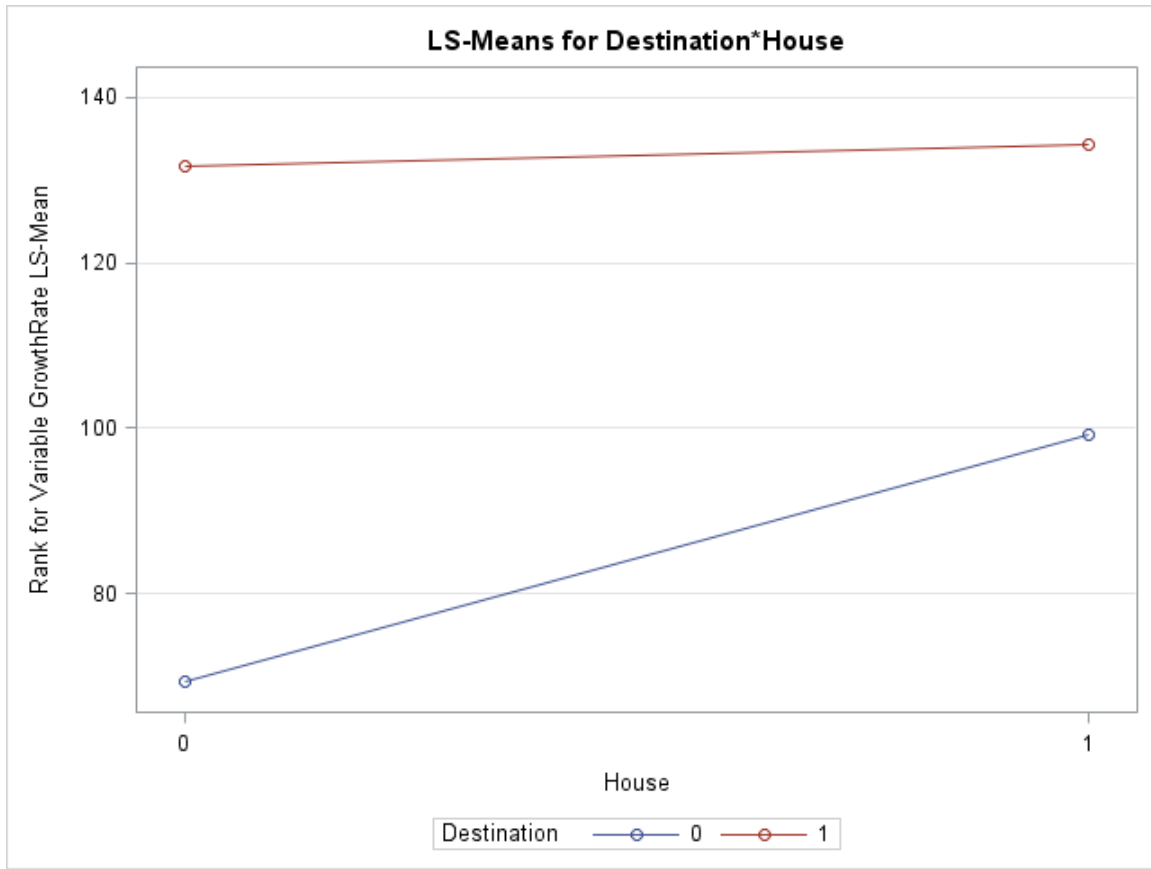


Figure B-7. Plot of Rank GrowthRate least-squares means for Destination*House [fix, wrong fig]

Figure B-8. Plot of Rank GrowthRate least-squares means for Species*House [TBD]

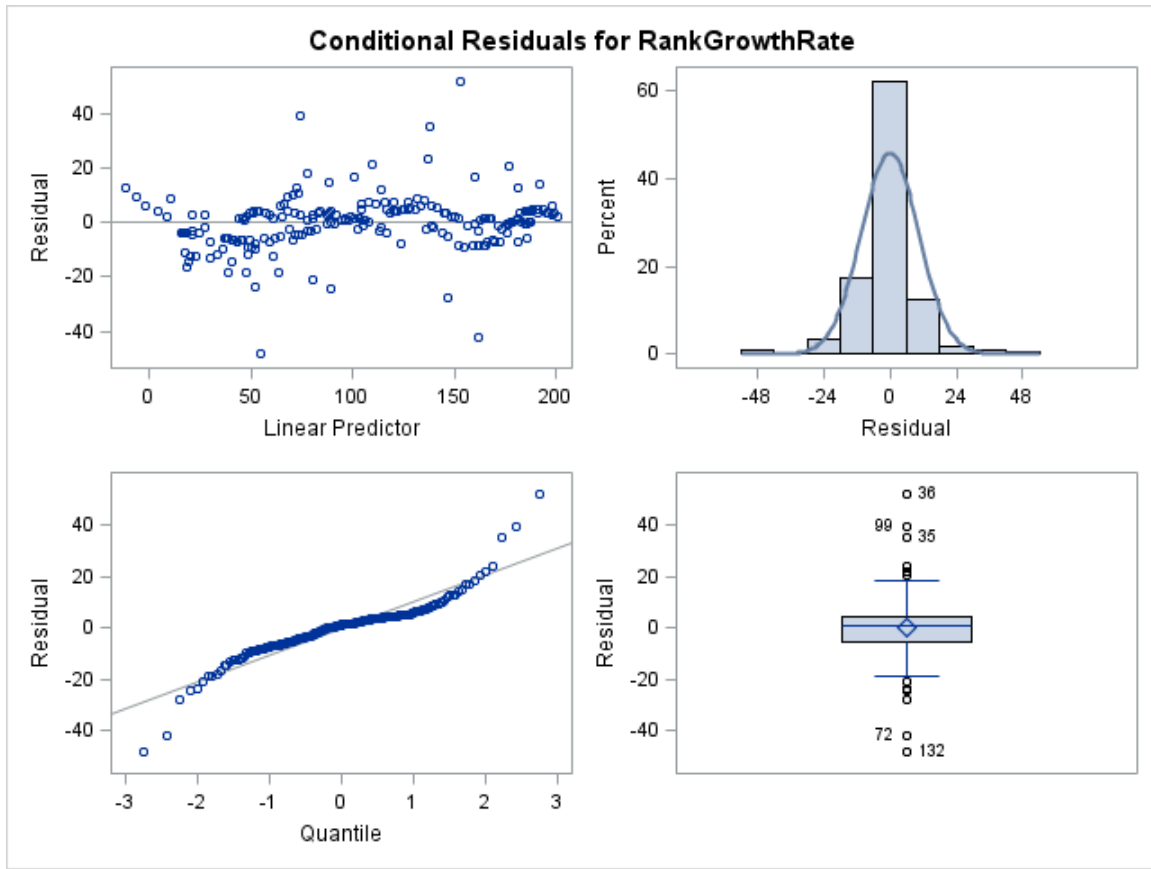


Figure B-9. Conditional Residuals for Rank Growth Rate

Table B-12. Relative Growth Rate Data.

TagNum	Destination	Species	House	30 day Relative Growth Rate
251	0	0	0	0.004136355
112	0	0	0	0.00531006
1	0	0	0	0.005401435
94	0	0	0	0.006203852
358	0	0	0	0.006646793
195	0	0	0	0.007090454
26	0	0	0	0.007287331
117	0	0	0	0.007332248
14	0	0	0	0.008455017
8	0	0	0	0.008843518
98	0	0	0	0.009363296
178	0	0	0	0.010338799
273	0	0	0	0.010898255
231	0	0	0	0.011223613
65	0	0	0	0.011628213
125	0	0	0	0.012965634
74	0	0	0	0.014940862
338	0	0	0	0.015299018
374	0	0	0	0.01540493
75	0	0	0	0.017594922
260	0	0	0	0.017933672
25	0	0	0	0.017934713
271	0	0	0	0.017964031
93	0	0	0	0.018607157
6	0	0	0	0.018933859
180	0	0	0	0.021155876
102	0	0	0	0.021644221
357	0	0	0	0.022416802
218	0	0	0	0.023826498
378	0	0	0	0.024208786
366	0	0	0	0.025530964
154	0	0	0	0.025851298
387	0	0	0	0.029967727
386	0	0	0	0.036579213
97	0	0	0	0.05317293

Table B-12. Relative Growth Rate Data. Continued

TagNum	Destination	Species	House	30 day Relative Growth Rate
291	0	0	0	0.107235054
144	0	0	1	-0.00315084
48	0	0	1	0.004697619
344	0	0	1	0.005771687
362	0	0	1	0.011544347
233	0	0	1	0.011627778
67	0	0	1	0.011941373
110	0	0	1	0.012798325
137	0	0	1	0.013038635
83	0	0	1	0.013595475
111	0	0	1	0.014378784
10	0	0	1	0.014497256
168	0	0	1	0.01475705
206	0	0	1	0.015698825
245	0	0	1	0.015867652
356	0	0	1	0.01587938
92	0	0	1	0.016387044
368	0	0	1	0.017483136
108	0	0	1	0.017904509
81	0	0	1	0.017978978
268	0	0	1	0.019192749
113	0	0	1	0.019634206
52	0	0	1	0.019663171
69	0	0	1	0.019728117
253	0	0	1	0.019863056
250	0	0	1	0.019925628
156	0	0	1	0.020200879
2	0	0	1	0.020388186
33	0	0	1	0.021217039
118	0	0	1	0.022033479
54	0	0	1	0.022486255
70	0	0	1	0.022636726
152	0	0	1	0.023273284
175	0	0	1	0.025737767
183	0	0	1	0.026527625
9	0	0	1	0.026981593

Table B-12. Relative Growth Rate Data. Continued

TagNum	Destination	Species	House	30 day Relative Growth Rate
130	0	0	1	0.027606044
47	0	0	1	0.028572997
264	0	0	1	0.030644321
140	0	0	1	0.035467011
217	0	0	1	0.040955303
29	0	0	1	0.043223648
350	0	0	1	0.067774236
44	0	0	1	0.156796004
585	0	1	0	-0.03477505
562	0	1	0	-0.00375310
577	0	1	0	-0.00133966
521	0	1	0	-0.00114885
505	0	1	0	-0.00046699
586	0	1	0	0
423	0	1	0	0.000229163
548	0	1	0	0.000239464
422	0	1	0	0.000335028
437	0	1	0	0.001715329
570	0	1	0	0.01121953
561	0	1	0	0.01162058
572	0	1	0	0.01315087
615	0	1	0	0.033921338
121	0	1	1	0.004054917
224	0	1	1	0.008962977
200	0	1	1	0.015365581
17	0	1	1	0.020309038
208	0	1	1	0.021913691
774	1	0	0	0.027181378
132	1	0	0	0.030868669
182	1	0	0	0.033910941
364	1	0	0	0.036714262
19	1	0	0	0.037792708
279	1	0	0	0.039399745
390	1	0	0	0.039499108
780	1	0	0	0.039953581
55	1	0	0	0.040182151

Table B-12. Relative Growth Rate Data. Continued

TagNum	Destination	Species	House	30 day Relative Growth Rate
324	1	0	0	0.040591043
86	1	0	0	0.041065935
242	1	0	0	0.041984996
226	1	0	0	0.042052145
309	1	0	0	0.04381607
395	1	0	0	0.044355051
792	1	0	0	0.048236284
781	1	0	0	0.048510023
777	1	0	0	0.048590625
304	1	0	0	0.050477058
771	1	0	0	0.051684503
379	1	0	0	0.054231705
239	1	0	0	0.054448621
837	1	0	0	0.055190265
802	1	0	0	0.055536126
256	1	0	0	0.058595588
219	1	0	0	0.0590825
167	1	0	0	0.06701738
62	1	0	0	0.067149455
285	1	0	0	0.067221621
820	1	0	0	0.067898486
129	1	0	0	0.076284728
836	1	0	0	0.076536118
257	1	0	0	0.077491757
381	1	0	1	-0.00316857
171	1	0	1	0.015379972
351	1	0	1	0.015503148
91	1	0	1	0.02476445
38	1	0	1	0.026465551
332	1	0	1	0.033560846
192	1	0	1	0.036244391
305	1	0	1	0.037227249
307	1	0	1	0.037747588
294	1	0	1	0.03864001
269	1	0	1	0.041828757
162	1	0	1	0.042401438

Table B-12. Relative Growth Rate Data. Continued

TagNum	Destination	Species	House	30 day Relative Growth Rate
107	1	0	1	0.043968178
784	1	0	1	0.044166091
12	1	0	1	0.044423947
119	1	0	1	0.045295748
787	1	0	1	0.045924889
157	1	0	1	0.046359331
359	1	0	1	0.047375368
808	1	0	1	0.047451938
227	1	0	1	0.047650058
293	1	0	1	0.047921017
335	1	0	1	0.048242302
131	1	0	1	0.04853931
222	1	0	1	0.049059561
283	1	0	1	0.051526801
793	1	0	1	0.052313587
770	1	0	1	0.05711842
158	1	0	1	0.057648309
328	1	0	1	0.058813233
289	1	0	1	0.06090012
829	1	0	1	0.061625814
385	1	0	1	0.062148178
762	1	0	1	0.065318594
798	1	0	1	0.0663286
255	1	0	1	0.066500146
783	1	0	1	0.067069228
165	1	0	1	0.067217853
773	1	0	1	0.076592227
761	1	0	1	0.08252887
805	1	0	1	0.145713692
657	1	1	0	-0.01092545
406	1	1	0	-0.00098555
435	1	1	0	-5.85E-05
716	1	1	0	0.001017124
580	1	1	0	0.00288006
398	1	1	0	0.003070793
448	1	1	0	0.003144324

Table B-12. Relative Growth Rate Data. Continued

TagNum	Destination	Species	House	30 day Relative Growth Rate
515	1	1	0	0.003210231
573	1	1	0	0.003602488
630	1	1	0	0.007086094
700	1	1	0	0.012499555
713	1	1	0	0.012815399
449	1	1	0	0.01487943
695	1	1	0	0.015024631
691	1	1	0	0.018302829
484	1	1	0	0.018894328
452	1	1	0	0.018980702
483	1	1	0	0.02416385
596	1	1	0	0.041460294
480	1	1	0	0.060752658
647	1	1	1	-0.01486833
517	1	1	1	0.000870777
574	1	1	1	0.002599108
661	1	1	1	0.005729302
525	1	1	1	0.007194691
668	1	1	1	0.007420399
429	1	1	1	0.010438959
671	1	1	1	0.011389163
677	1	1	1	0.014429574
673	1	1	1	0.01497137
462	1	1	1	0.017533194
682	1	1	1	0.028411102
488	1	1	1	0.035544674

Table B-13. Relative Growth Rate Summary Statistics

Destination	Species	House	N Obs	Mean	Std Dev	Min	Max
0	0	0	36	0.0189	0.0181	0.0041	0.1072
		1	43	0.0238	0.0236	-0.0032	0.1568
	1	0	14	0.0022	0.0145	-0.0348	0.0339
		1	5	0.0141	0.0076	0.0041	0.0219
1	0	0	33	0.0504	0.0135	0.0272	0.0775
		1	41	0.0501	0.0226	-0.0032	0.1457
	1	0	20	0.0125	0.0161	-0.0109	0.0608
		1	14	0.0111	0.0120	-0.0149	0.0355

Table B-14. Type III Tests of Fixed Effects for Relative Growth Rate

Effect	Num DF	Den DF	F Value	Pr > F
Destination	1	95.44	13.75	0.0004
Species	1	35.84	54.74	<.0001
Destination*Species	1	35.84	56.30	<.0001
House	1	86.61	30.42	<.0001
Destination*House	1	86.61	23.67	<.0001
Species*House	1	86.61	45.36	<.0001
Destination*Species*House	1	86.61	2.63	0.1086

Num DF: Demoninator degrees of freedom

Den DF: Numerator degrees of freedom

Pr > F (p-value < α , $\alpha = 0.05$)

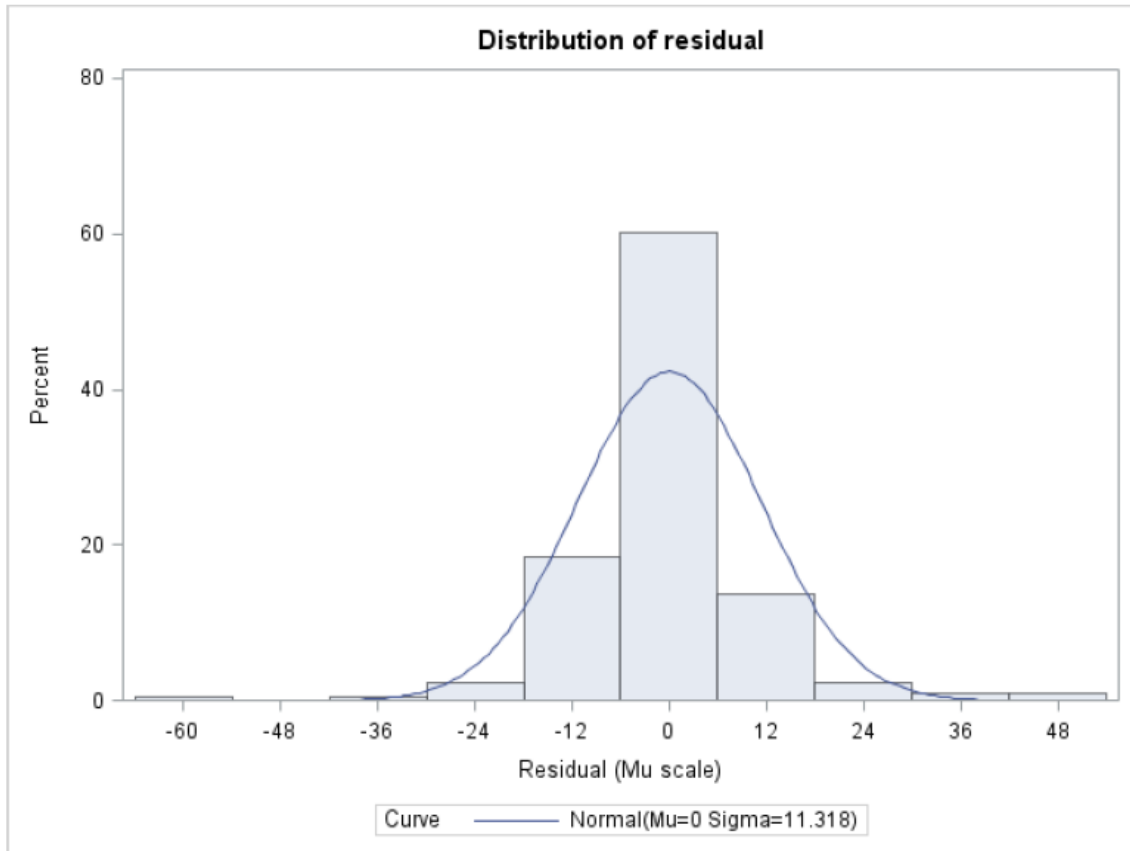


Figure B-10. Conditional Residuals for Rank Relative Growth Rate

Table B-15. Full Model Assumptions are Met

*** Diagnostic Summary ***
No severe outliers or influential points found
Normality might be an issue, KS>0.10
Equal variance should be satisfactory

Table B-16. PDMIX Mean Separation for Rank GrowthRate, Effect=Species

Method=Bonferroni(P<0.05)						
Obs	Species	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
3	0	127.57	4.4422	127.57	4.4422	A
4	1	87.9758	6.1643	87.9758	6.1643	B

Table B-17. PDMIX Mean Separation for Rank GrowthRate, Effect=House

Method=Bonferroni(P<0.05)

Obs	House	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
9	0	99.0399	4.7288	99.0399	4.7288	B
10	1	116.50	5.1055	116.50	5.1055	A

Table B-18. PDMIX Mean Separation for Rank GrowthRate, Effect=Destination*Species

Method=Bonferroni(P<0.05)

Obs	Destination	Species	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
5	0	0	90.2147	6.2014	90.2147	6.2014	B
6	0	1	90.7732	9.4744	90.7732	9.4744	B
7	1	0	164.92	6.3619	164.92	6.3619	A
8	1	1	85.1783	7.8888	85.1783	7.8888	B

Table B-19. PDMIX Mean Separation for Rank GrowthRate, Effect=Destination*House

Method=Bonferroni(P<0.05)

Obs	Destination	House	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
11	0	0	74.0607	6.8011	74.0607	6.8011	B
12	0	1	106.93	7.7387	106.93	7.7387	A
13	1	0	124.02	6.5720	124.02	6.5720	A
14	1	1	126.08	6.6617	126.08	6.6617	A

Table B-20. PDMIX Mean Separation for Rank GrowthRate, Effect=Species*House

Method=Bonferroni(P<0.05)

Obs	Species	House	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
15	0	0	129.50	4.7132	129.50	4.7132	A
16	0	1	125.64	4.5778	125.64	4.5778	AB
17	1	0	68.5816	6.1372	68.5816	6.1372	C
18	1	1	107.37	7.3945	107.37	7.3945	B

Table B-21. Tests for Normality

Test	Statistic		p Value	
Shapiro-Wilk	W	0.898434	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.135277	Pr > D	<0.0100
Cramer-won Mises	W-Sq	0.831577	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	4.952349	Pr > A-Sq	<0.0050

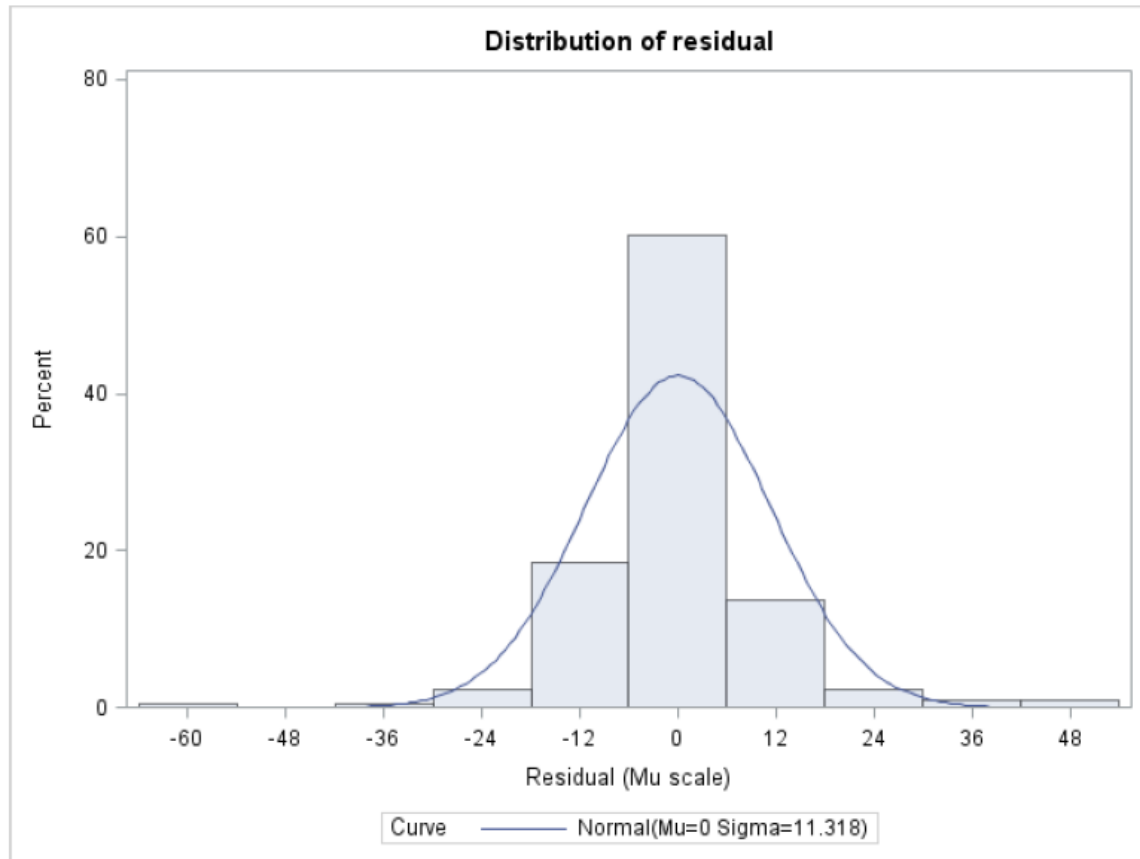


Figure B-11. Residuals for Rank Relative Growth Rate

Table B-22. Type III Tests of Fixed Effects for *L. fasciola* Relative Growth Rate

Effect	Num DF	Den DF	F Value	Pr > F
Destination	1	79.11	83.82	<.0001
House	1	65.49	4.68	0.0342
Destination*House	1	65.49	14.51	0.0003

Table B-23. PDMIX Mean Separation for Rank Relative GrowthRate, Effect=Destination

Method=Bonferroni(P<0.05)

Obs	Destination	House	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
1	0	-	50.0893	4.8539	50.0893	4.8539	B
2	1	-	113.75	4.9789	113.75	4.9789	A

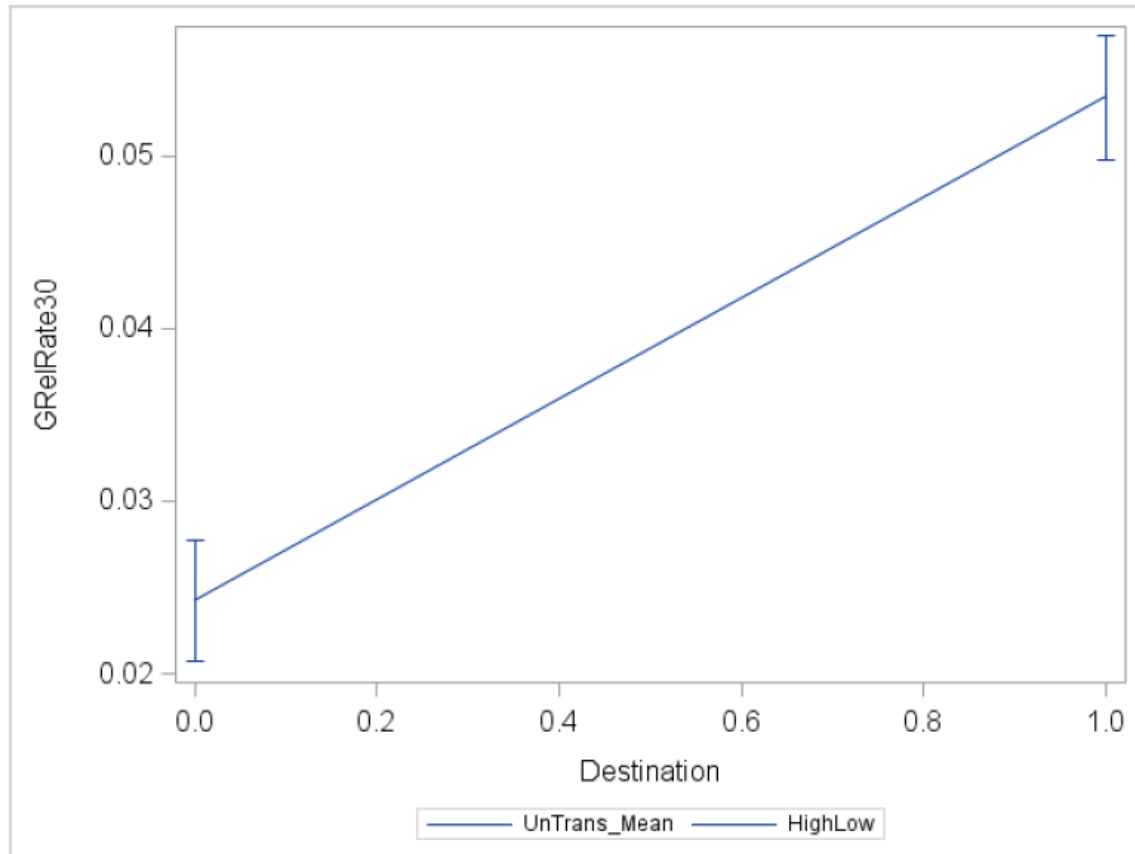


Figure B-12. Destination effect on *L. fasciola* Relative Growth Rate, Least Squared Means

Table B-24. PDMIX Mean Separation for Rank Relative GrowthRate, Effect=Destination*House

Method=Bonferroni(P<0.05)

Obs	Destination	House	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
5	0	0	48.4112	5.1153	48.4112	5.1153	C
6	0	1	51.7674	4.9936	51.7674	4.9936	C
7	1	0	119.84	5.2689	119.84	5.2689	A
8	1	1	107.66	5.1140	107.66	5.1140	B

Table B-25. *M. conradicus* Model Tests for Normality

Test	Statistic		p Value	
Shapiro-Wilk	W	0.951572	Pr < W	0.0315
Kolmogorov-Smirnov	D	0.135155	Pr > D	0.0169
Cramer-von Mises	W-Sq	0.155378	Pr > W-Sq	0.0206
Anderson-Darling	A-Sq	0.93129	Pr > A-Sq	0.0183

Table B-26. *M. conradicus* Model Assumptions are Met

*** Diagnostic Summary ***
No severe outliers or influential points found
Normality might be an issue, KS>0.10
Equal variance should be satisfactory

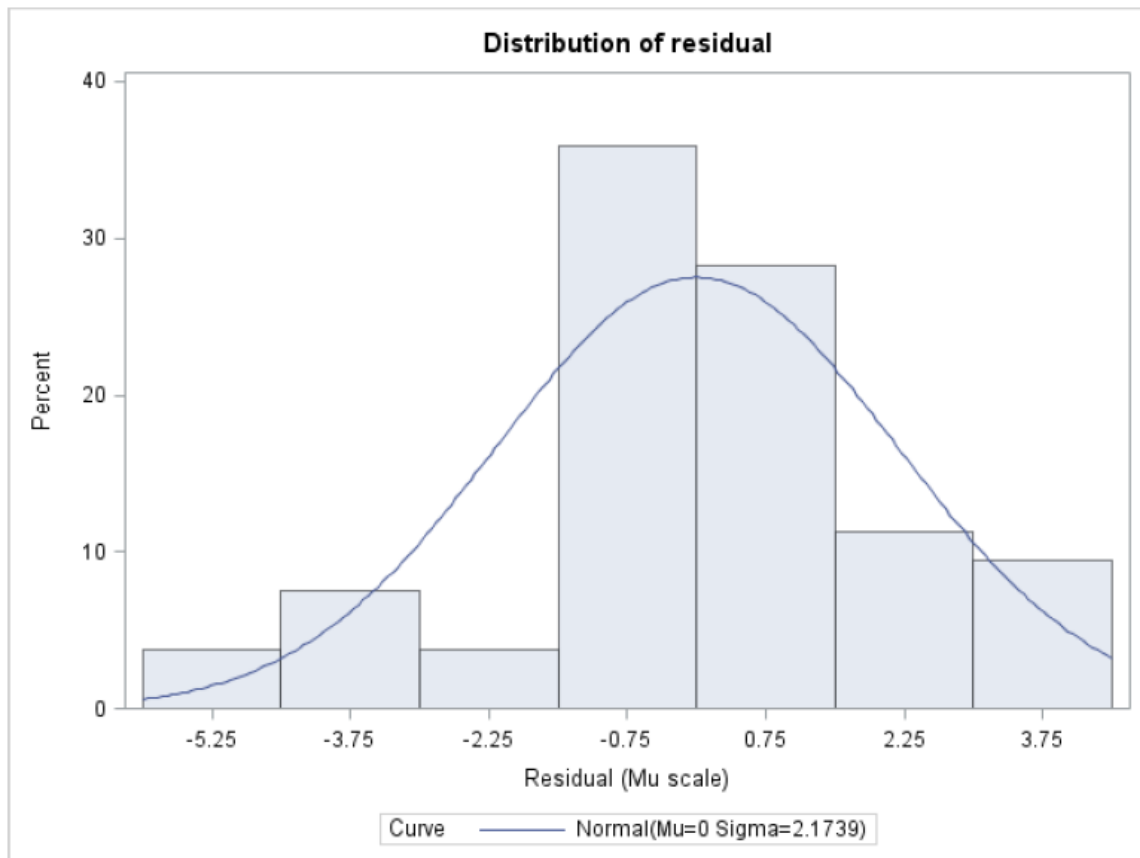


Figure B-13. Residuals for Rank Relative Growth Rate Model for *M. conradicus*

Table B-27. Type III Tests of Fixed Effects for *M. conradicus* Relative Growth Rate

Effect	Num DF	Den DF	F Value	Pr > F
Destination	1	32.83	0.04	0.8399
House	1	17.08	218.37	<.0001
Destination*House	1	17.08	75.92	<.0001

Table B-28. PDMIX Mean Separation for Rank Relative GrowthRate, Effect=Destination

Method=Bonferroni(P<0.05)

Obs	Destina tion	House	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
1	0	-	32.4144	4.2005	32.4144	4.2005	A
2	1	-	33.5212	3.4495	33.5212	3.4495	A

Table B-29. PDMIX Mean Separation for Rank Relative GrowthRate, Effect=House

Method=Bonferroni(P<0.05)

Obs	Destina tion	House	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
3	-	0	23.0464	2.7097	23.0464	2.7097	B
4	-	1	42.8891	2.8863	42.8891	2.8863	A

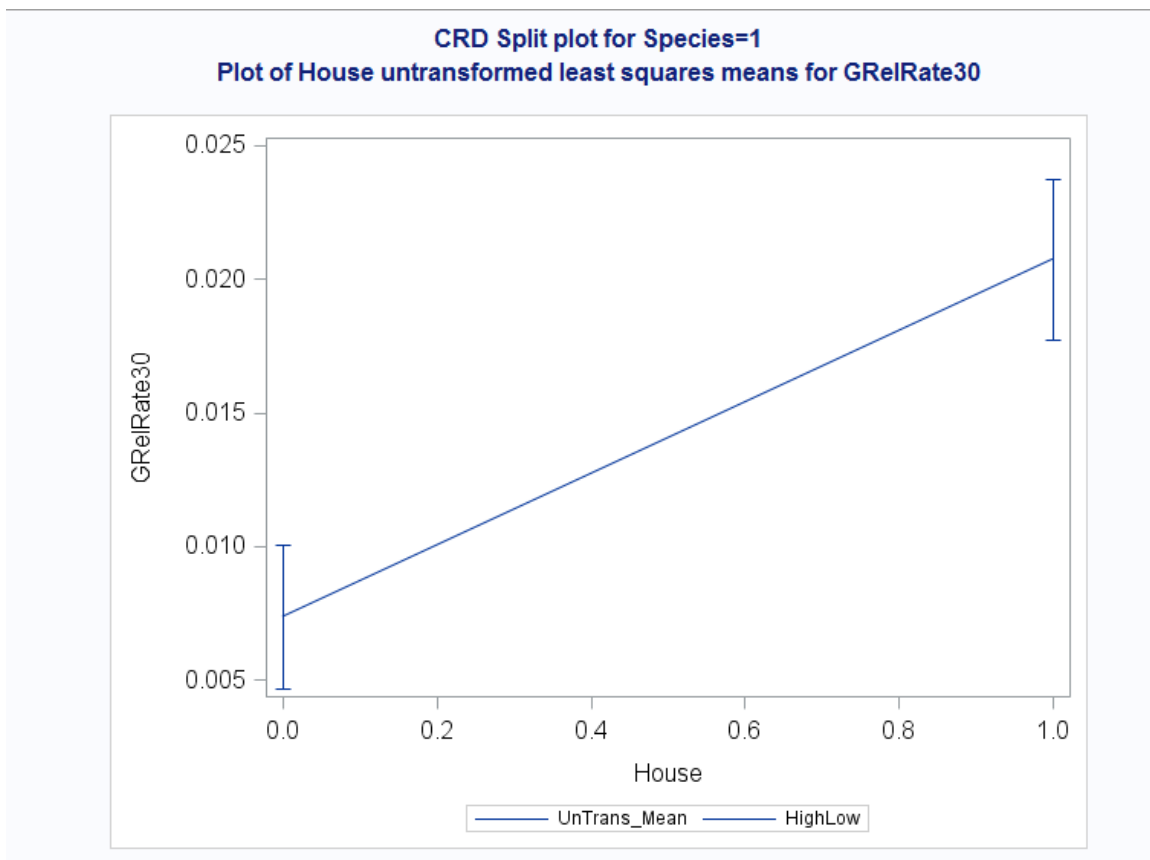


Figure B-14. House effect on *M. conradicus* Relative Growth Rate, Least Squared Means

**Table B-30. PDMIX Mean Separation for Rank Relative GrowthRate, Effect=Destination*House
Method=Bonferroni(P<0.05)**

Obs	Destina tion	House	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
5	0	0	16.6429	4.1564	16.6429	4.1564	B
6	0	1	48.1859	4.5459	48.1859	4.5459	A
7	1	0	29.4500	3.4775	29.4500	3.4775	B
8	1	1	37.5923	3.5578	37.5923	3.5578	A

Appendix C. Analysis of Survival Rate Effects [TBD – move to App B]

Table C-1. RBD Split-Split Plot Repeated Measures without Replication on the Arcsin Transformed Values, Block on Destination - Data

Obs	Destin- ation	Species	House	Time	Survived	Trials	Survival_ Rate	Arcsin_ SR
1	0	0	0	1	48	48	1	1.57080
2	0	0	0	2	41	48	0.8541667	1.02395
3	0	0	0	3	36	48	0.75	0.84806
4	0	0	1	1	60	60	1	1.57080
5	0	0	1	2	55	60	0.9166667	1.15966
6	0	0	1	3	42	60	0.7	0.77540
7	0	1	0	1	40	40	1	1.57080
8	0	1	0	2	22	40	0.55	0.58236
9	0	1	0	3	15	40	0.375	0.38440
10	0	1	1	1	20	20	1	1.57080
11	0	1	1	2	17	20	0.85	1.01599
12	0	1	1	3	6	20	0.3	0.30469
13	1	0	0	1	48	48	1	1.57080
14	1	0	0	2	34	48	0.7083333	0.78713
15	1	0	0	3	32	48	0.6666667	0.72973
16	1	0	1	1	60	60	1	1.57080
17	1	0	1	2	51	60	0.85	1.01599
18	1	0	1	3	39	60	0.65	0.70758
19	1	1	0	1	40	40	1	1.57080
20	1	1	0	2	26	40	0.65	0.70758
21	1	1	0	3	21	40	0.525	0.55272
22	1	1	1	1	20	20	1	1.57080
23	1	1	1	2	20	20	1	1.57080
24	1	1	1	3	14	20	0.7	0.77540

Table C-2. Type III Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
Species	1	2	0.65	0.5060
House	1	2	5.25	0.1490
Species*House	1	2	2.46	0.2573
Time	2	8	123.24	<.0001
Species*Time	2	8	2.83	0.1177
House*Time	2	8	7.69	0.0137
Species*House*Time	2	8	2.02	0.1951

Table C-3. Effect = Time, Method = LSD (P<0.05), Set = 4

Obs	Species	House	Time	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
9	—	—	1	1.5708	0.06920	1.5708	0.06920	A
10	—	—	2	0.9829	0.06920	0.9829	0.06920	B
11	—	—	3	0.6347	0.06920	0.6347	0.06920	C

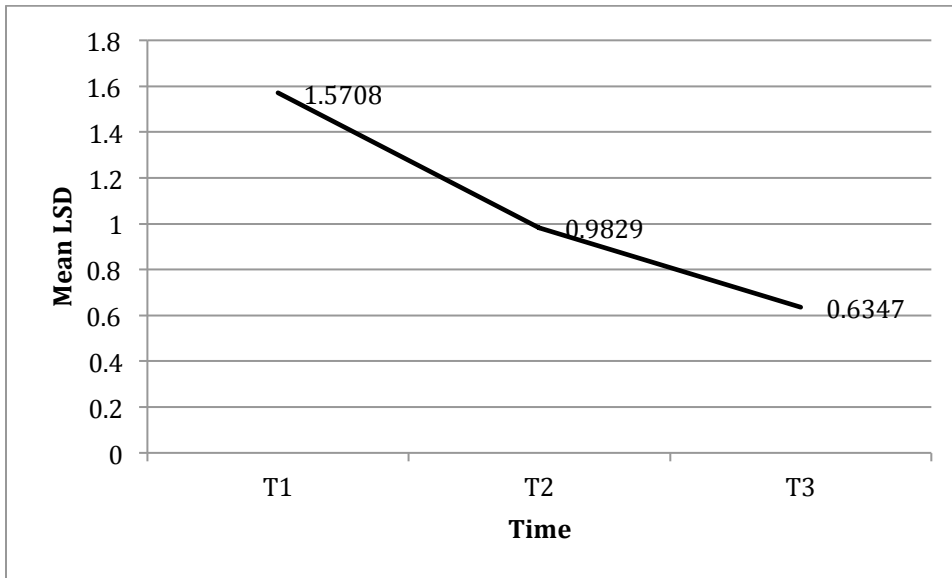


Figure C-1. Mean of Least Squares Differential (LSD) for Effect = Time

Table C-4. Effect = House*Time, Method = LSD (P<0.05), Set = 6

Obs	Species	House	Time	Estimate	Standard Error	Mean	Standard Error of Mean	Letter Group
18	—	0	1	1.5708	0.08346	1.5708	0.08346	A
19	—	0	2	0.7753	0.08346	0.7753	0.08346	C
20	—	0	3	0.6287	0.08346	0.6287	0.08346	C
21	—	1	1	1.5708	0.08346	1.5708	0.08346	A
22	—	1	2	1.1906	0.08346	1.1906	0.08346	B
23	—	1	3	0.6408	0.08346	0.6408	0.08346	C

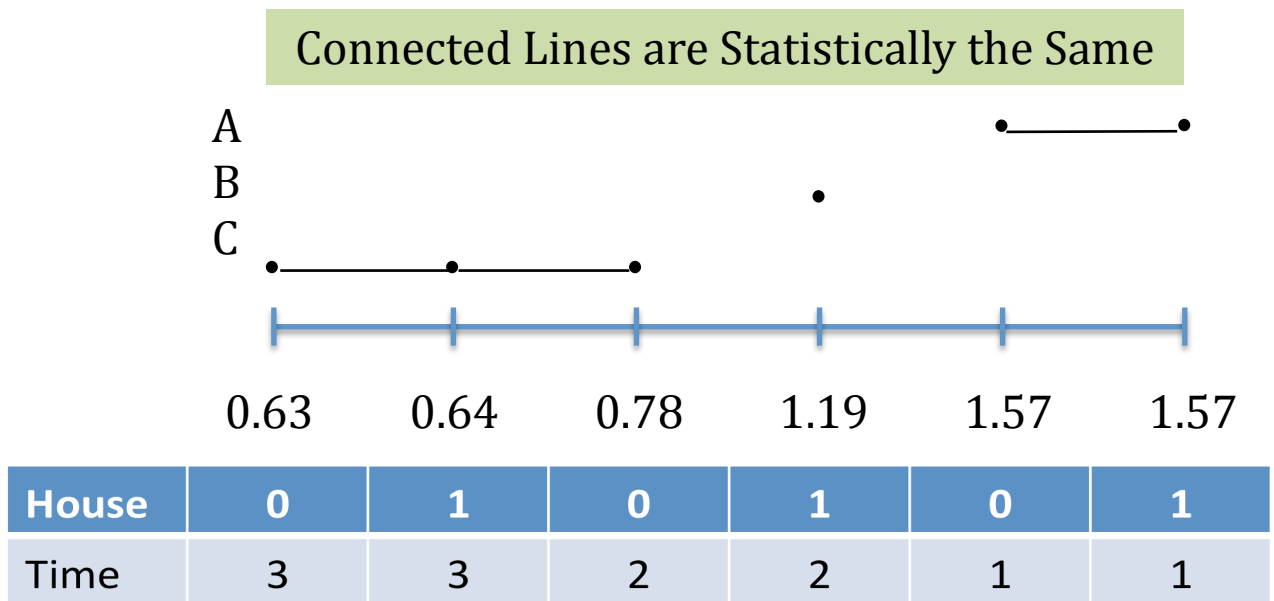


Figure C-2. Mean of Least Squares Differential (LSD) for Effect = House*Time

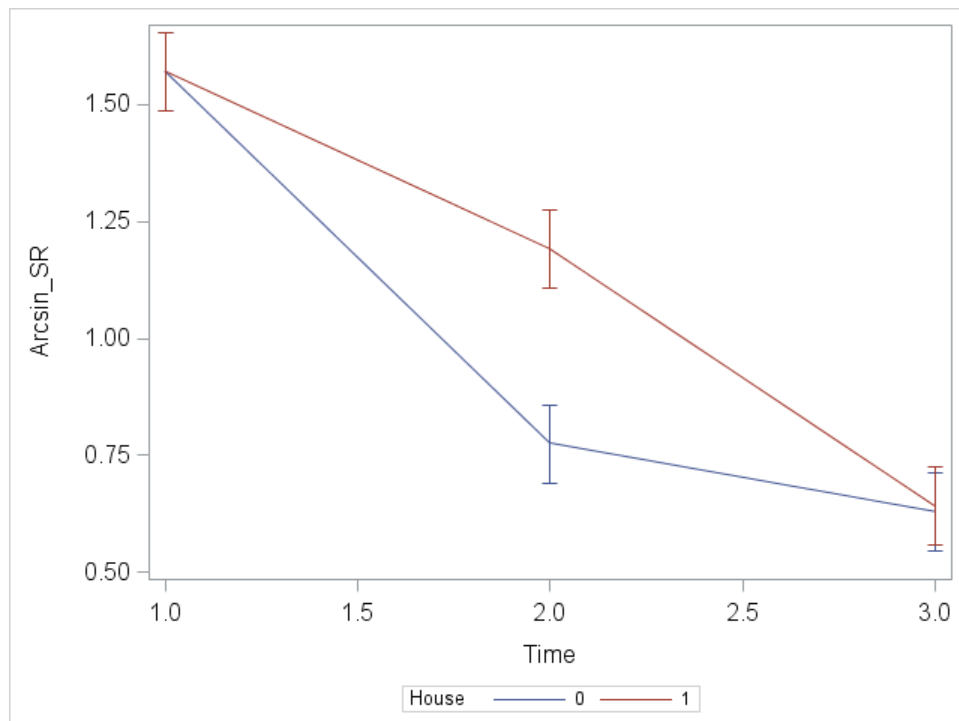


Figure C-3. Plot of Time*House least squares means for Arcsin_SR

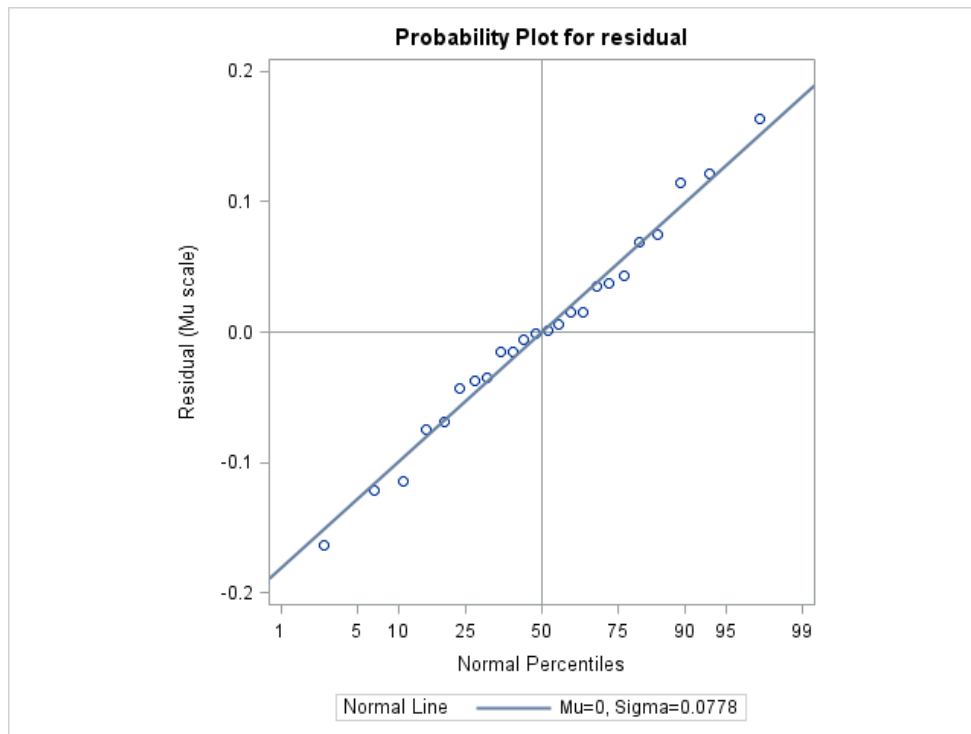


Figure C-4. Normality of Arcsin(Survival Rate) Residuals

Table C-5. Full Model Assumptions are Met

*** Diagnostic Summary ***
No severe outliers or influential points found
Normality should be satisfactory
Equal variance should be satisfactory

Table C-6. *L. fasciola* Model Assumptions are Met

*** Diagnostic Summary ***
No severe outliers or influential points found
Normality should be satisfactory
Equal variance should be satisfactory

Table C-7. *M. conradicus* Model Assumptions are Met

*** Diagnostic Summary ***
No severe outliers or influential points found
Normality might be an issue, KS>0.10; Shapiro-Wilkes test indicates Normality
Equal variance should be satisfactory

Table C-8. *L. fasciola* Survival Model - Type III Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
House	1	5	1.45	0.2824
Time	2	5	164.58	<.0001
House*Time	2	5	3.52	0.1113

Table C-9. *M. conradicus* Survival Model - Type III Tests of Fixed Effects

Effect	Num DF	Den DF	F Value	Pr > F
House	1	1	3.87	0.2994
Time	2	4	47.13	0.0017
House*Time	2	4	5.21	0.0770

VITA

Laura L. Pullum was born. She wrote a thesis. She graduated. This page really is required.