

Supplementary Materials for

Crediting Invisible Work:

Congress and the Lawmaking Productivity Metric (LawProM)

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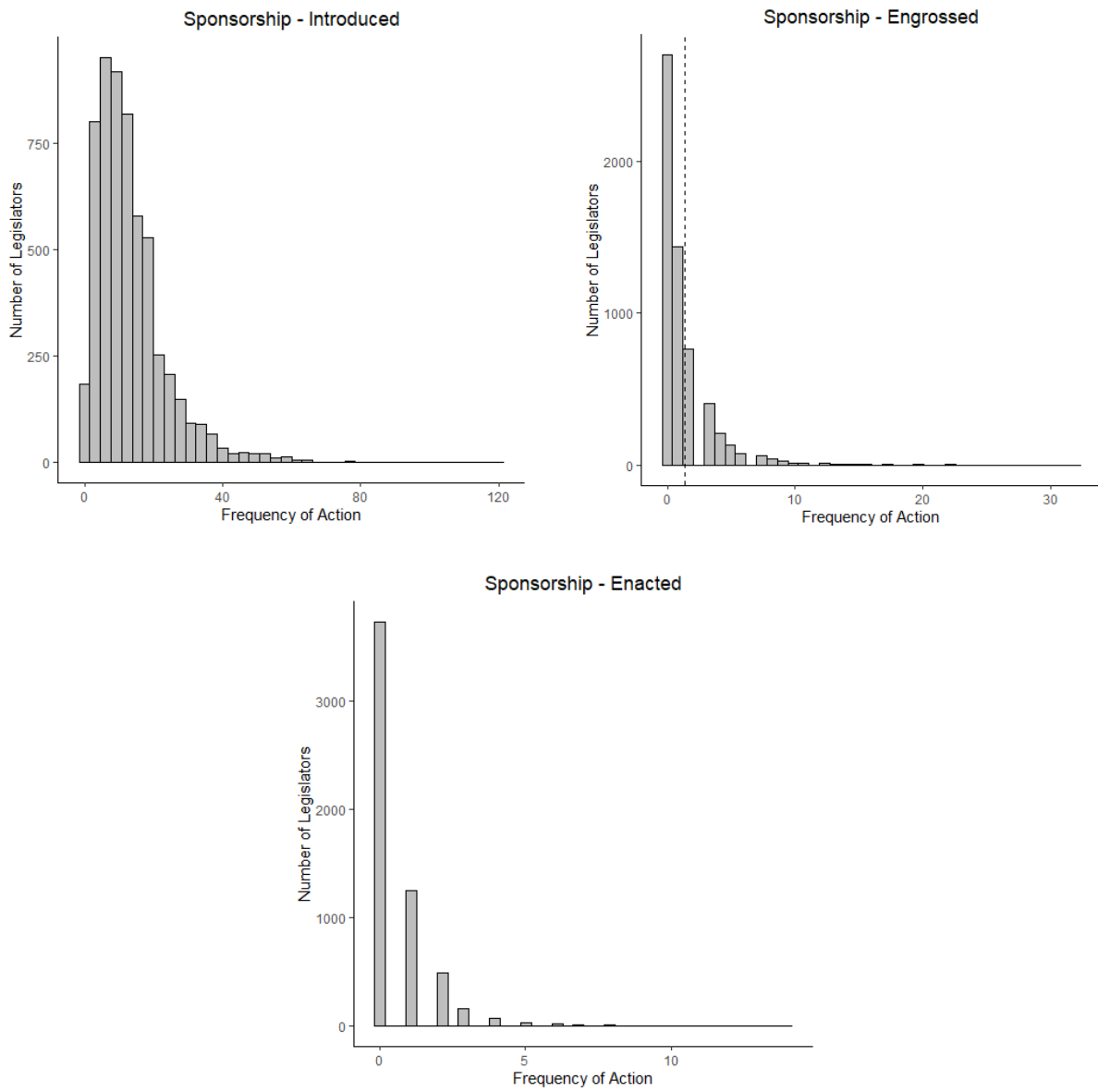
Appendix A – Additional Tables & Figures

Table A1. Number of Bills & Sections in the House of Representatives by Congress

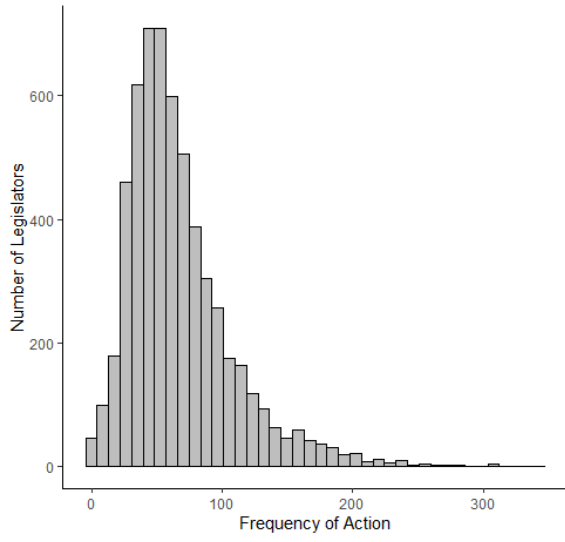
| | Number of Bills | Number of Sections (Average Across Bills) |
|----------------------------|-----------------|--|
| 101 st Congress | 5997 | 70577 (11.8) |
| 102 nd Congress | 6212 | 88332 (14.2) |
| 103 rd Congress | 5310 | 74809 (14.1) |
| 104 th Congress | 4344 | 77910 (17.9) |
| 105 th Congress | 4874 | 61261 (12.6) |
| 106 th Congress | 5681 | 73450 (12.9) |
| 107 th Congress | 5767 | 67856 (11.8) |
| 108 th Congress | 5431 | 70296 (12.9) |
| 109 th Congress | 6436 | 76472 (11.9) |
| 110 th Congress | 7340 | 86083 (11.7) |
| 111 th Congress | 6570 | 69806 (10.6) |
| 112 th Congress | 6729 | 47057 (6) |
| 113 th Congress | 5893 | 47802 (8.1) |

Note: The Number of Bills is a count of the number of House Resolutions introduced in the House of Representatives during each Congress. The Number of Sections is a count of all bill sections excluding sections that: (1) only contain the “Short Title” or the table of contents of the bill, and (2) contain fewer than 40 words (approximately a sentence and a half). Our final analysis omits a number of additional sections from the data.

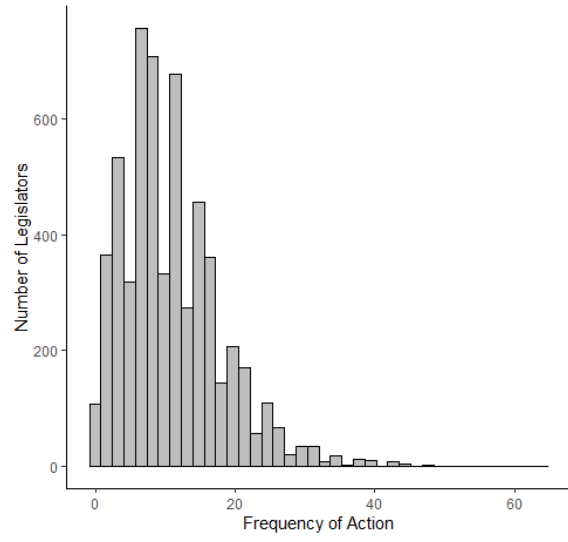
Figure A1. Distributions of the Frequency of Lawmaking Actions (101st-113th Congresses)



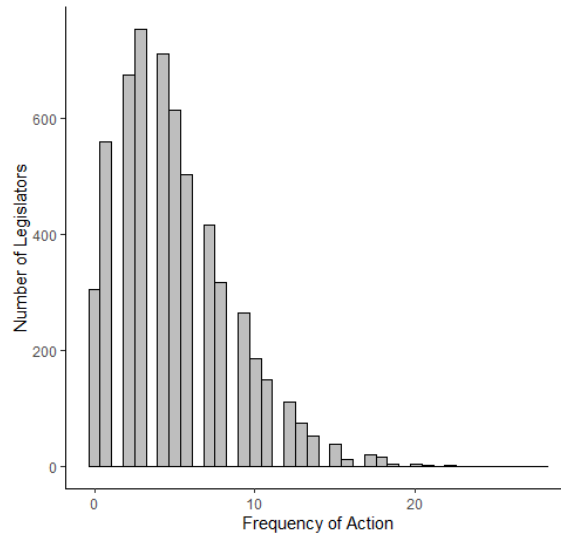
Original Cosponsorship - Introduced

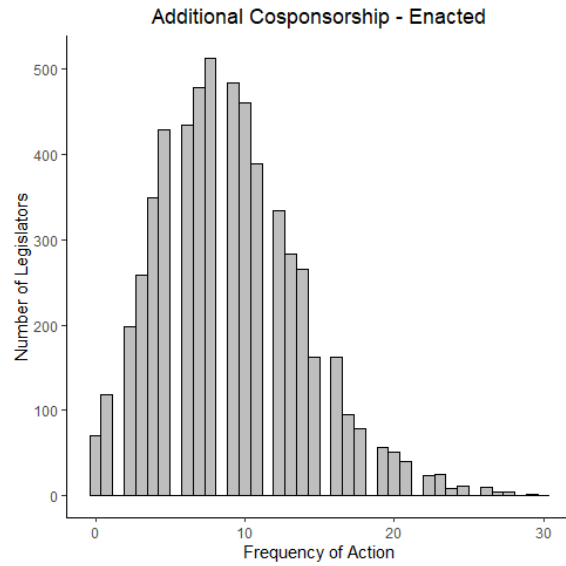
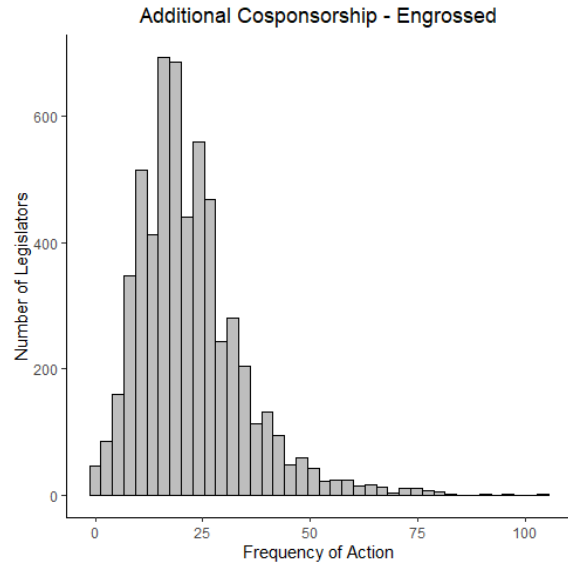
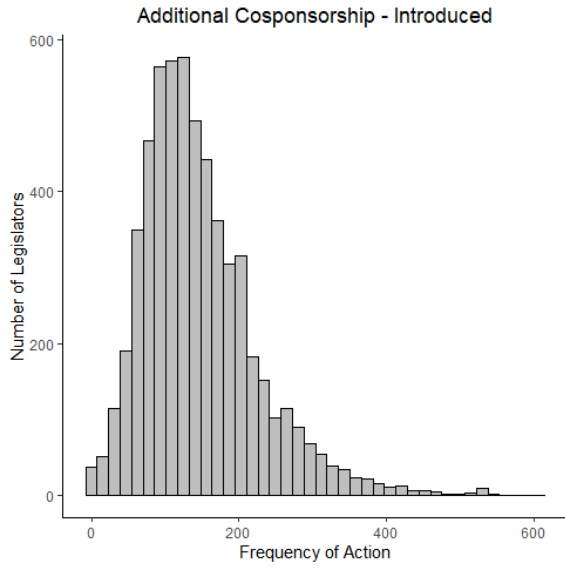


Original Cosponsorship - Engrossed

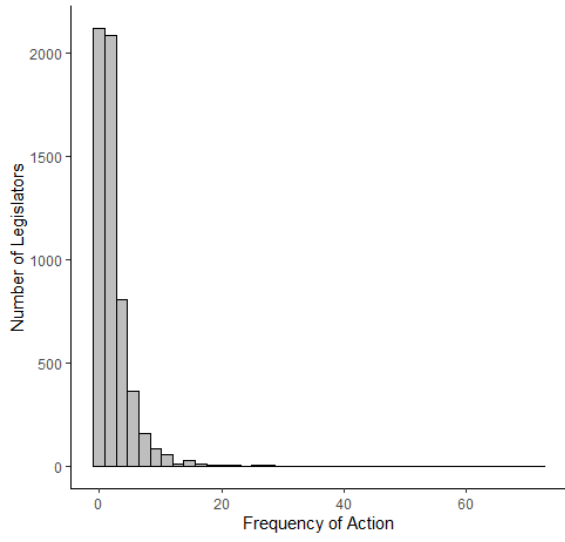


Original Cosponsorship - Enacted

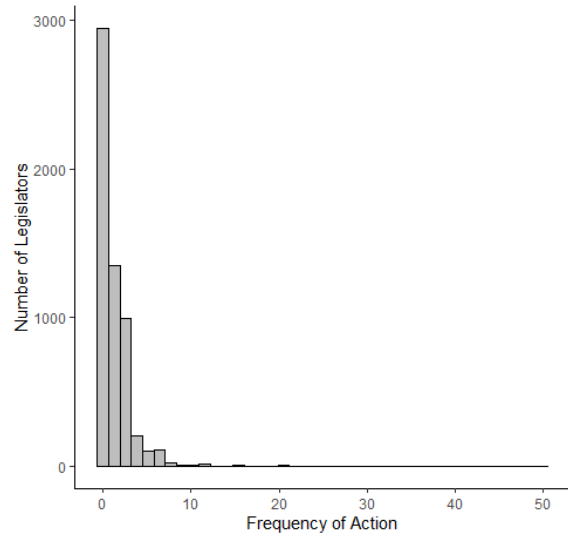




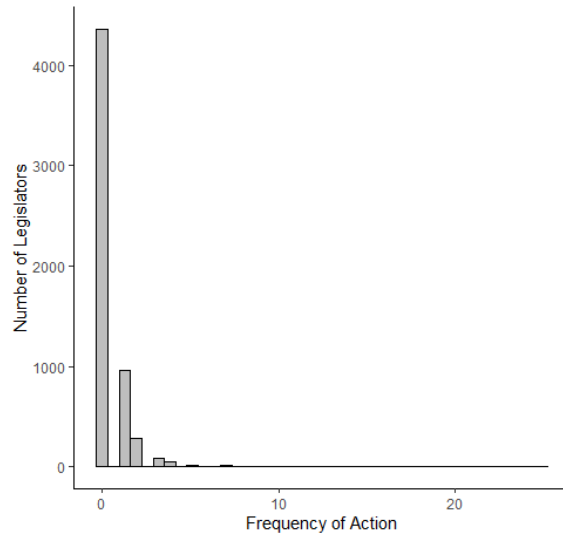
Amendment - Introduced



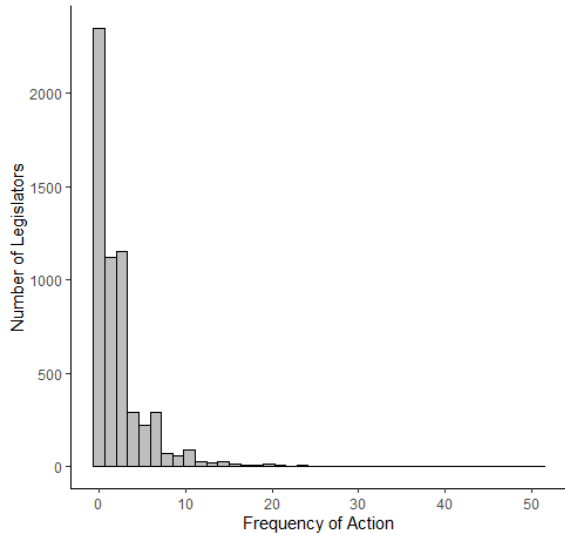
Amendment - Engrossed



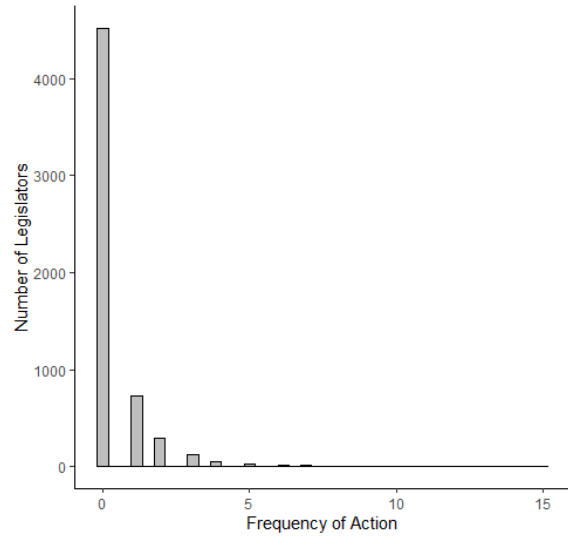
Amendment - Enacted



Influence - Introduced



Influence - Engrossed



Influence - Enacted

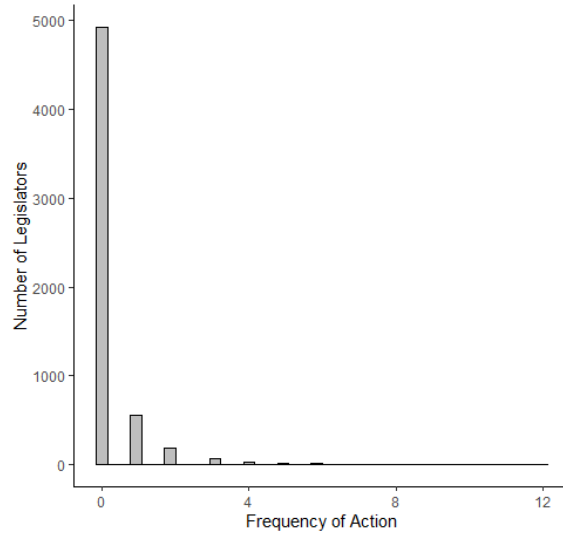


Figure A2. *General Correlations of Measures of Productivity (101st-113th Congresses)*

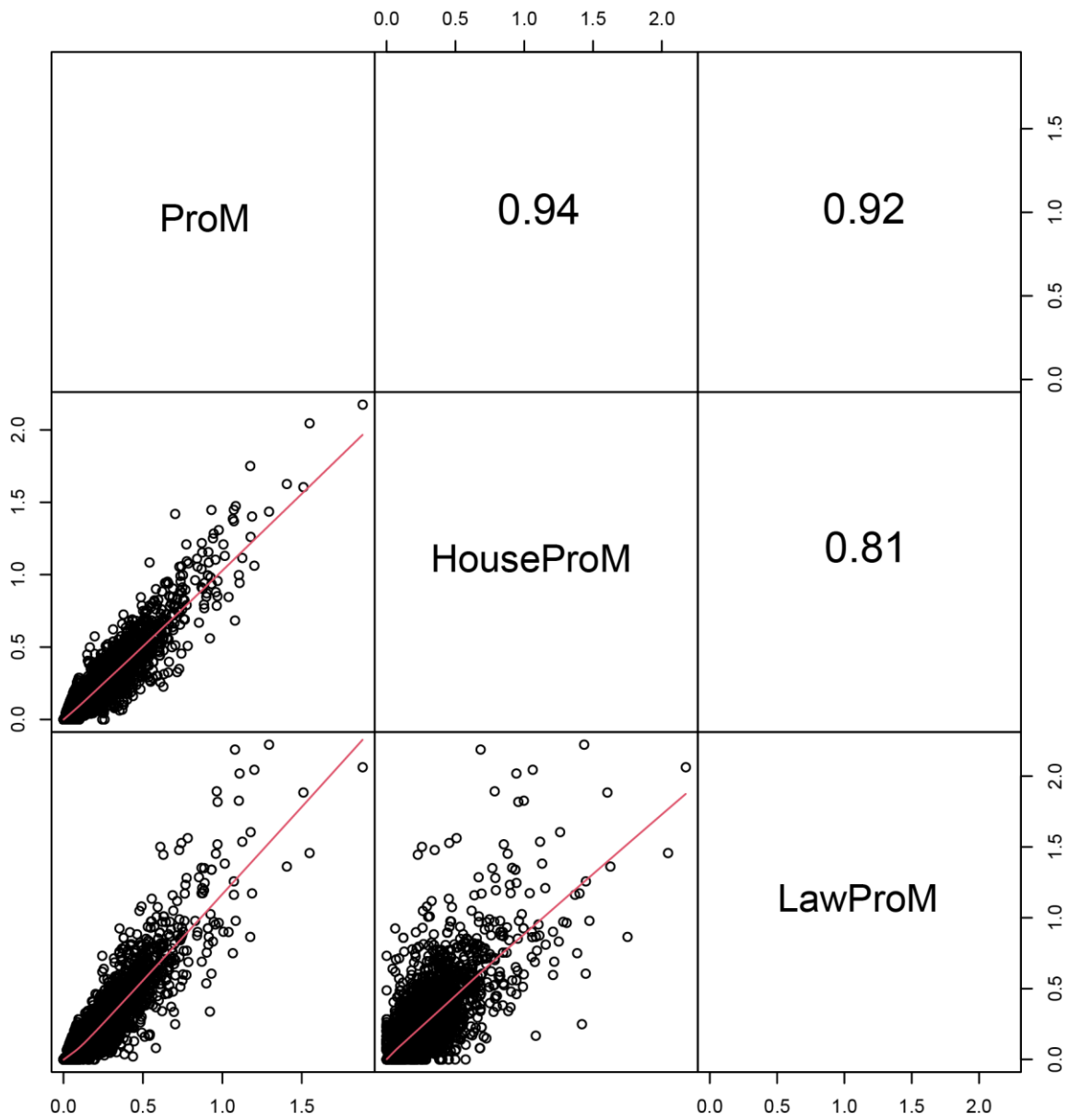


Table A2.1 Models of: Correlates of Lawmaking Through Bill Sponsorship (Figure 1) – Introduction

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Majority | 3.796*** (0.863) | 4.141*** (0.878) | 3.613*** (0.873) | 3.959*** (0.885) |
| Female | 3.120*** (0.896) | 2.945*** (0.890) | 2.854*** (1.097) | 2.638** (1.097) |
| Female*Majority | | | 0.603 (0.941) | 0.694 (0.943) |
| Black | -1.915* (1.050) | -2.484** (1.143) | -2.525** (1.053) | -3.003*** (1.142) |
| Black*Majority | | | 1.640* (0.881) | 1.421 (0.869) |
| Hispanic | -2.377** (1.064) | -2.755** (1.073) | -2.395** (1.063) | -2.764*** (1.071) |
| AAPI | 2.915 (2.259) | 2.485 (2.267) | 2.895 (2.255) | 2.479 (2.264) |
| Native | -0.646 (1.460) | -0.565 (1.173) | -0.631 (1.459) | -0.551 (1.177) |
| Democrat | | 1.178** (0.598) | | 1.162* (0.598) |
| Seniority | 0.534*** (0.082) | 0.515*** (0.083) | 0.533*** (0.082) | 0.514*** (0.083) |
| Chair | 4.371*** (1.117) | 4.486*** (1.103) | 4.377*** (1.122) | 4.497*** (1.108) |
| Power Committee | -1.573** (0.693) | -1.528** (0.692) | -1.575** (0.693) | -1.530** (0.692) |
| State Leg Experience | -0.265 (0.572) | -0.259 (0.570) | -0.254 (0.572) | -0.249 (0.570) |
| Education | 0.477 (0.326) | 0.403 (0.320) | 0.484 (0.326) | 0.410 (0.320) |
| Majority Leadership | -3.525*** (1.184) | -3.508*** (1.160) | -3.629*** (1.166) | -3.609*** (1.144) |
| Minority Leadership | -2.386** (1.214) | -2.406** (1.226) | -2.345* (1.221) | -2.368* (1.231) |
| Ideological Extremity | 4.535** (2.298) | 4.974** (2.344) | 4.587** (2.302) | 5.024** (2.349) |
| Vote Percent | 0.023 (0.018) | 0.021 (0.017) | 0.023 (0.018) | 0.021 (0.017) |
| Constant | 3.671* (2.029) | 3.278 (2.090) | 3.726* (2.025) | 3.334 (2.086) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.089 | 0.092 | 0.090 | 0.092 |

Clustered robust standard errors in parentheses
 *** p<0.01, ** p<0.05, * p<0.1

Table A2.2 *Models of: Correlates of Lawmaking Through Bill Sponsorship (Figure 1) – Engrossment*

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Majority | 1.134*** (0.103) | 1.111*** (0.109) | 1.169*** (0.106) | 1.145*** (0.112) |
| Female | 0.032 (0.075) | 0.044 (0.076) | 0.151** (0.064) | 0.166** (0.066) |
| Female*Majority | | | -0.256* (0.132) | -0.262** (0.133) |
| Black | 0.017 (0.119) | 0.055 (0.125) | 0.044 (0.095) | 0.077 (0.103) |
| Black*Majority | | | -0.084 (0.275) | -0.069 (0.275) |
| Hispanic | 0.100 (0.139) | 0.125 (0.140) | 0.099 (0.140) | 0.125 (0.141) |
| AAPI | -0.219 (0.135) | -0.190 (0.140) | -0.224* (0.133) | -0.195 (0.138) |
| Native | 0.448** (0.201) | 0.443** (0.207) | 0.444** (0.206) | 0.439** (0.212) |
| Democrat | | -0.079 (0.081) | | -0.080 (0.082) |
| Seniority | 0.096*** (0.012) | 0.097*** (0.012) | 0.096*** (0.012) | 0.098*** (0.012) |
| Chair | 3.874*** (0.382) | 3.866*** (0.381) | 3.864*** (0.382) | 3.855*** (0.380) |
| Power Committee | -0.593*** (0.083) | -0.596*** (0.084) | -0.592*** (0.083) | -0.596*** (0.084) |
| State Leg Experience | 0.153** (0.073) | 0.153** (0.072) | 0.152** (0.073) | 0.151** (0.072) |
| Education | 0.042 (0.038) | 0.048 (0.038) | 0.041 (0.038) | 0.046 (0.038) |
| Majority Leadership | 0.392* (0.235) | 0.391* (0.235) | 0.412* (0.237) | 0.410* (0.237) |
| Minority Leadership | -0.141 (0.119) | -0.139 (0.119) | -0.147 (0.119) | -0.145 (0.119) |
| Ideological Extremity | -0.235 (0.248) | -0.265 (0.257) | -0.251 (0.248) | -0.281 (0.258) |
| Vote Percent | -0.001 (0.002) | -0.001 (0.002) | -0.001 (0.002) | -0.001 (0.002) |
| Constant | 0.075 (0.253) | 0.102 (0.259) | 0.068 (0.252) | 0.095 (0.259) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.342 | 0.342 | 0.342 | 0.342 |

Clustered robust standard errors in parentheses
 *** p<0.01, ** p<0.05, * p<0.1

Table A2.3 *Models of: Correlates of Lawmaking Through Bill Sponsorship (Figure 1) – Enactment*

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Majority | 0.404*** (0.049) | 0.395*** (0.052) | 0.442*** (0.051) | 0.434*** (0.053) |
| Female | -0.031 (0.043) | -0.027 (0.044) | 0.092** (0.040) | 0.098** (0.041) |
| Female*Majority | | | -0.268*** (0.075) | -0.270*** (0.076) |
| Black | 0.051 (0.069) | 0.065 (0.071) | 0.093 (0.059) | 0.105* (0.062) |
| Black*Majority | | | -0.124 (0.155) | -0.118 (0.155) |
| Hispanic | 0.042 (0.088) | 0.051 (0.088) | 0.042 (0.089) | 0.051 (0.088) |
| AAPI | -0.034 (0.099) | -0.024 (0.100) | -0.039 (0.096) | -0.028 (0.097) |
| Native | 0.171* (0.089) | 0.169* (0.088) | 0.167* (0.093) | 0.165* (0.092) |
| Democrat | | -0.029 (0.040) | | -0.030 (0.040) |
| Seniority | 0.044*** (0.006) | 0.045*** (0.006) | 0.045*** (0.006) | 0.045*** (0.006) |
| Chair | 1.893*** (0.204) | 1.890*** (0.203) | 1.883*** (0.204) | 1.880*** (0.203) |
| Power Committee | -0.149*** (0.043) | -0.150*** (0.043) | -0.148*** (0.043) | -0.149*** (0.043) |
| State Leg Experience | 0.091** (0.036) | 0.091** (0.036) | 0.090** (0.037) | 0.090** (0.036) |
| Education | 0.009 (0.020) | 0.010 (0.020) | 0.007 (0.020) | 0.009 (0.020) |
| Majority Leadership | 0.239* (0.138) | 0.239* (0.138) | 0.261* (0.139) | 0.261* (0.139) |
| Minority Leadership | -0.084 (0.058) | -0.084 (0.058) | -0.091 (0.058) | -0.091 (0.058) |
| Ideological Extremity | -0.187 (0.121) | -0.198 (0.125) | -0.204* (0.121) | -0.215* (0.126) |
| Vote Percent | -0.000 (0.001) | -0.000 (0.001) | -0.000 (0.001) | -0.000 (0.001) |
| Constant | 0.091 (0.123) | 0.101 (0.126) | 0.083 (0.123) | 0.093 (0.125) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.254 | 0.254 | 0.255 | 0.255 |

Clustered robust standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Table A3.1 Models of: Correlates of Lawmaking Through Original Cosponsorship (Figure 2) – Introduction

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Majority | 7.603*** (2.692) | 12.311*** (2.837) | 7.496*** (2.688) | 12.282*** (2.833) |
| Female | 16.479*** (3.284) | 14.103*** (3.200) | 16.894*** (4.217) | 13.908*** (4.137) |
| Female*Majority | | | -0.834 (3.735) | 0.413 (3.681) |
| Black | 13.959*** (4.933) | 6.197 (5.187) | 12.880** (5.659) | 6.280 (5.861) |
| Black*Majority | | | 2.819 (4.036) | -0.209 (4.077) |
| Hispanic | 3.067 (6.567) | -2.086 (6.325) | 3.024 (6.572) | -2.082 (6.325) |
| AAPI | 16.440 (10.116) | 10.589 (9.599) | 16.359 (10.139) | 10.601 (9.602) |
| Native | 5.750 (5.464) | 6.849 (4.569) | 5.748 (5.467) | 6.855 (4.573) |
| Democrat | | 16.056*** (2.158) | | 16.062*** (2.158) |
| Seniority | 1.031*** (0.289) | 0.770*** (0.289) | 1.032*** (0.289) | 0.769*** (0.288) |
| Chair | -14.153*** (2.809) | -12.584*** (2.771) | -14.224*** (2.814) | -12.563*** (2.767) |
| Power Committee | -5.638** (2.631) | -5.021** (2.551) | -5.640** (2.631) | -5.021** (2.551) |
| State Leg Experience | -0.444 (2.114) | -0.365 (2.031) | -0.435 (2.113) | -0.364 (2.031) |
| Education | 0.426 (1.180) | -0.591 (1.089) | 0.430 (1.181) | -0.590 (1.091) |
| Majority Leadership | -9.505** (4.492) | -9.266** (4.207) | -9.562** (4.506) | -9.284** (4.223) |
| Minority Leadership | -5.440 (7.077) | -5.720 (6.943) | -5.404 (7.092) | -5.716 (6.946) |
| Ideological Extremity | 59.373*** (8.545) | 65.364*** (8.583) | 59.352*** (8.570) | 65.389*** (8.613) |
| Vote Percent | 0.312*** (0.066) | 0.286*** (0.062) | 0.312*** (0.066) | 0.286*** (0.062) |
| Constant | 12.371 (8.024) | 7.010 (7.780) | 12.429 (8.013) | 7.010 (7.778) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.169 | 0.201 | 0.169 | 0.201 |

Clustered robust standard errors in parentheses
 *** p<0.01, ** p<0.05, * p<0.1

Table A3.2 Models of: Correlates of Lawmaking Through Original Cosponsorship (Figure 2) – Engrossment

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Majority | 4.693*** (0.369) | 4.813*** (0.393) | 4.316*** (0.367) | 4.430*** (0.392) |
| Female | 1.778*** (0.390) | 1.717*** (0.390) | 1.024** (0.415) | 0.953** (0.419) |
| Female*Majority | | | 1.673*** (0.638) | 1.703*** (0.638) |
| Black | 1.072** (0.518) | 0.874 (0.555) | 0.082 (0.478) | -0.075 (0.509) |
| Black*Majority | | | 2.690*** (0.865) | 2.618*** (0.869) |
| Hispanic | 0.276 (0.561) | 0.145 (0.565) | 0.252 (0.558) | 0.131 (0.562) |
| AAPI | 1.736 (1.077) | 1.587 (1.067) | 1.721 (1.052) | 1.584 (1.043) |
| Native | -0.569 (0.608) | -0.541 (0.649) | -0.535 (0.565) | -0.508 (0.607) |
| Democrat | | 0.408 (0.309) | | 0.382 (0.309) |
| Seniority | 0.212*** (0.038) | 0.205*** (0.038) | 0.209*** (0.038) | 0.203*** (0.038) |
| Chair | 0.106 (0.634) | 0.146 (0.637) | 0.145 (0.636) | 0.184 (0.639) |
| Power Committee | -2.368*** (0.331) | -2.352*** (0.330) | -2.371*** (0.331) | -2.356*** (0.330) |
| State Leg Experience | -0.223 (0.270) | -0.221 (0.269) | -0.203 (0.270) | -0.201 (0.269) |
| Education | 0.042 (0.166) | 0.016 (0.165) | 0.055 (0.166) | 0.031 (0.166) |
| Majority Leadership | 2.421** (0.974) | 2.427** (0.973) | 2.207** (0.946) | 2.213** (0.945) |
| Minority Leadership | -1.654** (0.671) | -1.661** (0.665) | -1.574** (0.664) | -1.582** (0.658) |
| Ideological Extremity | -0.144 (0.925) | 0.008 (0.946) | -0.017 (0.928) | 0.127 (0.951) |
| Vote Percent | 0.056*** (0.009) | 0.055*** (0.009) | 0.056*** (0.009) | 0.056*** (0.009) |
| Constant | 3.835*** (1.041) | 3.698*** (1.055) | 3.938*** (1.036) | 3.809*** (1.051) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.157 | 0.157 | 0.161 | 0.162 |

Clustered robust standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Table A3.3 Models of: Correlates of Lawmaking Through Original Cosponsorship (Figure 2) – Enactment

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Majority | 0.392** (0.176) | 0.585*** (0.181) | 0.269 (0.179) | 0.462** (0.184) |
| Female | 0.914*** (0.212) | 0.817*** (0.211) | 0.742*** (0.237) | 0.621*** (0.235) |
| Female*Majority | | | 0.394 (0.300) | 0.444 (0.298) |
| Black | 0.962*** (0.276) | 0.643** (0.294) | 0.547* (0.297) | 0.281 (0.311) |
| Black*Majority | | | 1.114*** (0.349) | 0.991*** (0.351) |
| Hispanic | 0.677** (0.294) | 0.465 (0.298) | 0.665** (0.293) | 0.459 (0.296) |
| AAPI | 0.867* (0.490) | 0.627 (0.466) | 0.854* (0.486) | 0.621 (0.461) |
| Native | -0.416 (0.374) | -0.371 (0.429) | -0.406 (0.384) | -0.362 (0.437) |
| Democrat | | 0.659*** (0.159) | | 0.648*** (0.158) |
| Seniority | 0.134*** (0.020) | 0.123*** (0.020) | 0.133*** (0.020) | 0.122*** (0.020) |
| Chair | -0.247 (0.274) | -0.183 (0.277) | -0.244 (0.276) | -0.177 (0.280) |
| Power Committee | -0.779*** (0.173) | -0.754*** (0.171) | -0.780*** (0.173) | -0.755*** (0.171) |
| State Leg Experience | -0.113 (0.143) | -0.110 (0.140) | -0.106 (0.143) | -0.103 (0.140) |
| Education | 0.067 (0.089) | 0.026 (0.087) | 0.072 (0.089) | 0.031 (0.087) |
| Majority Leadership | 0.677 (0.442) | 0.687 (0.439) | 0.607 (0.433) | 0.619 (0.431) |
| Minority Leadership | -0.800** (0.398) | -0.812** (0.388) | -0.773* (0.396) | -0.785** (0.386) |
| Ideological Extremity | -0.629 (0.470) | -0.383 (0.478) | -0.594 (0.471) | -0.351 (0.479) |
| Vote Percent | 0.025*** (0.005) | 0.024*** (0.005) | 0.025*** (0.005) | 0.024*** (0.005) |
| Constant | 2.502*** (0.531) | 2.282*** (0.526) | 2.540*** (0.530) | 2.321*** (0.525) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.060 | 0.067 | 0.062 | 0.069 |

Clustered robust standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Table A4.1 Models of: Correlates of Lawmaking Through Additional Cosponsorship (Figure 2)
– Introduction

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|------------------------|------------------------|------------------------|------------------------|
| Majority | 2.901 (5.643) | 17.016*** (5.787) | -0.585 (5.554) | 13.595** (5.731) |
| Female | 23.639*** (5.980) | 16.517*** (5.339) | 23.524*** (6.805) | 14.676** (6.551) |
| Female*Majority | | | 1.209 (6.757) | 4.905 (6.362) |
| Black | 37.381*** (9.092) | 14.110 (9.344) | 19.505** (8.918) | -0.052 (9.143) |
| Black*Majority | | | 47.347*** (8.357) | 38.373*** (8.305) |
| Hispanic | 6.383 (10.915) | -9.067 (9.997) | 5.765 (10.899) | -9.365 (9.991) |
| AAPI | 32.257** (15.968) | 14.715 (14.641) | 31.291** (15.924) | 14.230 (14.576) |
| Native | 15.958 (13.590) | 19.253* (9.908) | 16.154 (13.803) | 19.432* (10.174) |
| Democrat | | 48.136*** (4.230) | | 47.592*** (4.235) |
| Seniority | -0.968** (0.484) | -1.752*** (0.489) | -0.981** (0.488) | -1.759*** (0.494) |
| Chair | -25.634*** (6.831) | -20.930*** (6.266) | -26.166*** (6.818) | -21.246*** (6.289) |
| Power Committee | -13.223*** (4.804) | -11.374** (4.442) | -13.263*** (4.798) | -11.430** (4.449) |
| State Leg Experience | -2.076 (4.143) | -1.838 (3.810) | -1.860 (4.123) | -1.648 (3.803) |
| Education | -0.912 (2.325) | -3.960* (2.048) | -0.779 (2.318) | -3.803* (2.047) |
| Majority Leadership | -33.907*** (11.737) | -33.192*** (10.467) | -35.855*** (11.544) | -35.032*** (10.273) |
| Minority Leadership | -19.329 (13.524) | -20.167 (13.328) | -18.442 (13.542) | -19.368 (13.333) |
| Ideological Extremity | 43.996*** (16.179) | 61.956*** (15.469) | 44.546*** (16.177) | 62.433*** (15.501) |
| Vote Percent | 0.180 (0.123) | 0.102 (0.112) | 0.181 (0.123) | 0.104 (0.111) |
| Constant | 125.575*** (15.335) | 109.503*** (14.316) | 126.853*** (15.255) | 110.796*** (14.268) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.087 | 0.165 | 0.094 | 0.170 |

Clustered robust standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

Table A4.2 Models of: Correlates of Lawmaking Through Additional Cosponsorship (Figure 2)
– Engrossment

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Majority | 7.579*** (0.686) | 8.741*** (0.701) | 6.706*** (0.668) | 7.860*** (0.687) |
| Female | 3.677*** (0.685) | 3.091*** (0.631) | 2.516*** (0.633) | 1.796*** (0.632) |
| Female*Majority | | | 2.659** (1.150) | 2.960*** (1.133) |
| Black | 3.872*** (0.916) | 1.957** (0.946) | 0.834 (0.764) | -0.757 (0.786) |
| Black*Majority | | | 8.151*** (1.381) | 7.421*** (1.395) |
| Hispanic | 2.739** (1.259) | 1.468 (1.168) | 2.650** (1.255) | 1.419 (1.164) |
| AAPI | 4.747* (2.728) | 3.304 (2.622) | 4.643* (2.693) | 3.255 (2.586) |
| Native | 2.512 (3.025) | 2.784 (4.025) | 2.582 (3.057) | 2.849 (4.029) |
| Democrat | | 3.960*** (0.509) | | 3.872*** (0.511) |
| Seniority | -0.104* (0.059) | -0.169*** (0.059) | -0.110* (0.059) | -0.173*** (0.059) |
| Chair | -3.353*** (1.086) | -2.966*** (1.061) | -3.339*** (1.075) | -2.939*** (1.054) |
| Power Committee | -2.114*** (0.560) | -1.961*** (0.532) | -2.122*** (0.559) | -1.973*** (0.533) |
| State Leg Experience | -0.477 (0.471) | -0.457 (0.443) | -0.428 (0.470) | -0.411 (0.443) |
| Education | 0.007 (0.281) | -0.244 (0.264) | 0.039 (0.281) | -0.207 (0.264) |
| Majority Leadership | -2.158 (1.786) | -2.099 (1.688) | -2.652 (1.720) | -2.585 (1.622) |
| Minority Leadership | -1.970* (1.124) | -2.039* (1.085) | -1.773 (1.107) | -1.848* (1.066) |
| Ideological Extremity | -2.932* (1.716) | -1.454 (1.628) | -2.691 (1.713) | -1.236 (1.634) |
| Vote Percent | 0.012 (0.017) | 0.005 (0.016) | 0.012 (0.016) | 0.006 (0.016) |
| Constant | 19.387*** (1.833) | 18.065*** (1.751) | 19.654*** (1.819) | 18.347*** (1.741) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.131 | 0.151 | 0.140 | 0.159 |

Clustered robust standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

Table A4.3 Models of: Correlates of Lawmaking Through Additional Cosponsorship (Figure 2)
– Enactment

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Majority | 0.782*** (0.273) | 1.348*** (0.265) | 0.718*** (0.271) | 1.288*** (0.263) |
| Female | 1.885*** (0.307) | 1.600*** (0.274) | 2.036*** (0.342) | 1.681*** (0.314) |
| Female*Majority | | | -0.297 (0.370) | -0.148 (0.366) |
| Black | 1.497*** (0.376) | 0.564 (0.388) | 0.974*** (0.371) | 0.187 (0.377) |
| Black*Majority | | | 1.372*** (0.412) | 1.011** (0.412) |
| Hispanic | 1.764*** (0.522) | 1.144** (0.478) | 1.744*** (0.521) | 1.135** (0.478) |
| AAPI | 1.826* (1.100) | 1.123 (1.050) | 1.790 (1.105) | 1.104 (1.053) |
| Native | 0.898 (1.160) | 1.030 (1.623) | 0.899 (1.164) | 1.031 (1.622) |
| Democrat | | 1.930*** (0.211) | | 1.914*** (0.211) |
| Seniority | 0.029 (0.026) | -0.003 (0.026) | 0.029 (0.026) | -0.003 (0.026) |
| Chair | -1.420*** (0.375) | -1.231*** (0.375) | -1.449*** (0.376) | -1.251*** (0.376) |
| Power Committee | -0.692*** (0.231) | -0.618*** (0.220) | -0.693*** (0.231) | -0.619*** (0.220) |
| State Leg Experience | -0.183 (0.203) | -0.173 (0.190) | -0.178 (0.203) | -0.170 (0.190) |
| Education | 0.021 (0.120) | -0.102 (0.112) | 0.023 (0.120) | -0.098 (0.112) |
| Majority Leadership | -0.835 (0.565) | -0.806 (0.531) | -0.870 (0.561) | -0.836 (0.528) |
| Minority Leadership | -0.454 (0.541) | -0.487 (0.501) | -0.434 (0.542) | -0.471 (0.502) |
| Ideological Extremity | -0.733 (0.753) | -0.013 (0.707) | -0.737 (0.755) | -0.018 (0.711) |
| Vote Percent | 0.012* (0.007) | 0.009 (0.006) | 0.012* (0.007) | 0.009 (0.006) |
| Constant | 7.852*** (0.756) | 7.208*** (0.713) | 7.883*** (0.753) | 7.237*** (0.711) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.049 | 0.082 | 0.050 | 0.082 |

Clustered robust standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Table A5.1 Models of: Correlates of Lawmaking Through Amendments (Figure 3) – Introduction

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Majority | 1.191*** (0.421) | 1.184*** (0.395) | 1.343*** (0.416) | 1.341*** (0.388) |
| Female | 0.145 (0.351) | 0.149 (0.357) | 0.379 (0.561) | 0.380 (0.567) |
| Female*Majority | | | -0.529 (0.508) | -0.529 (0.510) |
| Black | -0.690 (0.587) | -0.679 (0.602) | -0.202 (0.802) | -0.199 (0.813) |
| Black*Majority | | | -1.313** (0.664) | -1.312** (0.659) |
| Hispanic | -0.580* (0.317) | -0.573* (0.317) | -0.567* (0.316) | -0.565* (0.316) |
| AAPI | -0.868** (0.370) | -0.860** (0.366) | -0.854** (0.366) | -0.852** (0.363) |
| Native | -0.015 (0.617) | -0.016 (0.610) | -0.028 (0.610) | -0.028 (0.607) |
| Democrat | | -0.022 (0.182) | | -0.007 (0.181) |
| Seniority | 0.042** (0.019) | 0.042** (0.019) | 0.043** (0.020) | 0.043** (0.020) |
| Chair | 1.538*** (0.333) | 1.536*** (0.332) | 1.532*** (0.332) | 1.531*** (0.331) |
| Power Committee | -0.689*** (0.171) | -0.690*** (0.170) | -0.688*** (0.171) | -0.688*** (0.170) |
| State Leg Experience | -0.283 (0.207) | -0.283 (0.207) | -0.292 (0.209) | -0.292 (0.209) |
| Education | 0.237** (0.104) | 0.239** (0.105) | 0.232** (0.103) | 0.232** (0.103) |
| Majority Leadership | -0.801*** (0.234) | -0.802*** (0.235) | -0.715*** (0.224) | -0.715*** (0.225) |
| Minority Leadership | 0.180 (0.704) | 0.180 (0.704) | 0.146 (0.712) | 0.147 (0.712) |
| Ideological Extremity | 4.725*** (1.236) | 4.717*** (1.203) | 4.681*** (1.242) | 4.678*** (1.209) |
| Vote Percent | 0.002 (0.006) | 0.002 (0.006) | 0.002 (0.006) | 0.002 (0.006) |
| Constant | -1.008 (0.756) | -1.001 (0.740) | -1.053 (0.759) | -1.051 (0.742) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.050 | 0.050 | 0.052 | 0.052 |

Clustered robust standard errors in parentheses
 *** p<0.01, ** p<0.05, * p<0.1

Table A5.2 Models of: Correlates of Lawmaking Through Amendments (Figure 3) – Engrossment

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Majority | 0.465** (0.220) | 0.481** (0.201) | 0.524** (0.220) | 0.541*** (0.200) |
| Female | 0.122 (0.142) | 0.114 (0.146) | 0.222 (0.193) | 0.211 (0.197) |
| Female*Majority | | | -0.224 (0.184) | -0.219 (0.185) |
| Black | -0.355* (0.213) | -0.381* (0.227) | -0.178 (0.246) | -0.202 (0.257) |
| Black*Majority | | | -0.478** (0.195) | -0.489** (0.194) |
| Hispanic | -0.095 (0.204) | -0.112 (0.210) | -0.090 (0.203) | -0.109 (0.209) |
| AAPI | -0.287 (0.197) | -0.307 (0.202) | -0.283 (0.198) | -0.304 (0.203) |
| Native | 0.154 (0.603) | 0.158 (0.616) | 0.149 (0.603) | 0.153 (0.617) |
| Democrat | | 0.054 (0.114) | | 0.059 (0.115) |
| Seniority | 0.026*** (0.009) | 0.025*** (0.009) | 0.027*** (0.009) | 0.026*** (0.009) |
| Chair | 1.747*** (0.288) | 1.753*** (0.286) | 1.744*** (0.287) | 1.750*** (0.285) |
| Power Committee | -0.420*** (0.108) | -0.418*** (0.106) | -0.419*** (0.108) | -0.417*** (0.106) |
| State Leg Experience | -0.139 (0.119) | -0.139 (0.119) | -0.142 (0.120) | -0.142 (0.119) |
| Education | 0.089 (0.063) | 0.085 (0.061) | 0.087 (0.063) | 0.083 (0.061) |
| Majority Leadership | -0.162 (0.171) | -0.161 (0.171) | -0.128 (0.170) | -0.127 (0.169) |
| Minority Leadership | 0.230 (0.316) | 0.229 (0.317) | 0.217 (0.318) | 0.216 (0.320) |
| Ideological Extremity | 0.224 (0.600) | 0.244 (0.573) | 0.206 (0.601) | 0.228 (0.575) |
| Vote Percent | 0.001 (0.004) | 0.001 (0.004) | 0.001 (0.004) | 0.001 (0.004) |
| Constant | 0.455 (0.301) | 0.437 (0.297) | 0.438 (0.302) | 0.418 (0.298) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.053 | 0.053 | 0.054 | 0.055 |

Clustered robust standard errors in parentheses
 *** p<0.01, ** p<0.05, * p<0.1

Table A5.3 Models of: Correlates of Lawmaking Through Amendments (Figure 3) – Enactment

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|---------------------|---------------------|---------------------|---------------------|
| Majority | 0.080 (0.082) | 0.109 (0.077) | 0.112 (0.082) | 0.142* (0.077) |
| Female | 0.001 (0.050) | -0.014 (0.052) | 0.079 (0.072) | 0.060 (0.074) |
| Female*Majority | | | -0.171** (0.080) | -0.164** (0.080) |
| Black | -0.074 (0.075) | -0.122 (0.082) | -0.010 (0.091) | -0.051 (0.096) |
| Black*Majority | | | -0.177** (0.087) | -0.196** (0.088) |
| Hispanic | 0.002 (0.075) | -0.030 (0.078) | 0.003 (0.075) | -0.029 (0.077) |
| AAPI | -0.017 (0.108) | -0.054 (0.110) | -0.018 (0.110) | -0.054 (0.111) |
| Native | -0.169 (0.111) | -0.162 (0.134) | -0.172 (0.112) | -0.165 (0.135) |
| Democrat | | 0.099** (0.049) | | 0.101** (0.049) |
| Seniority | 0.016*** (0.004) | 0.015*** (0.004) | 0.017*** (0.004) | 0.015*** (0.004) |
| Chair | 0.682*** (0.117) | 0.692*** (0.115) | 0.677*** (0.116) | 0.687*** (0.115) |
| Power Committee | -0.080* (0.045) | -0.076* (0.044) | -0.080* (0.044) | -0.076* (0.044) |
| State Leg Experience | -0.038 (0.048) | -0.037 (0.048) | -0.039 (0.048) | -0.039 (0.048) |
| Education | 0.021 (0.024) | 0.015 (0.023) | 0.020 (0.024) | 0.014 (0.023) |
| Majority Leadership | -0.002 (0.087) | -0.000 (0.086) | 0.016 (0.085) | 0.018 (0.084) |
| Minority Leadership | -0.010 (0.110) | -0.012 (0.112) | -0.016 (0.112) | -0.018 (0.114) |
| Ideological Extremity | -0.074 (0.225) | -0.037 (0.215) | -0.086 (0.226) | -0.048 (0.215) |
| Vote Percent | 0.001 (0.002) | 0.001 (0.001) | 0.001 (0.002) | 0.001 (0.001) |
| Constant | 0.197 (0.123) | 0.164 (0.122) | 0.189 (0.124) | 0.155 (0.123) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.037 | 0.038 | 0.038 | 0.040 |

Clustered robust standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Table A6.1 Models of: Correlates of Unorthodox Lawmaking Through Bill Influence (Figure 5)
– Introduction

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Majority | 0.838*** (0.186) | 0.772*** (0.200) | 0.808*** (0.190) | 0.743*** (0.204) |
| Female | 0.726*** (0.220) | 0.759*** (0.220) | 0.565** (0.246) | 0.606** (0.247) |
| Female*Majority | | | 0.345 (0.315) | 0.327 (0.316) |
| Black | -0.545* (0.291) | -0.437 (0.311) | -0.495 (0.322) | -0.404 (0.335) |
| Black*Majority | | | -0.119 (0.350) | -0.077 (0.349) |
| Hispanic | -0.332 (0.288) | -0.260 (0.293) | -0.328 (0.287) | -0.258 (0.292) |
| AAPI | -0.112 (0.352) | -0.030 (0.365) | -0.101 (0.349) | -0.022 (0.362) |
| Native | 0.762*** (0.172) | 0.747*** (0.182) | 0.767*** (0.175) | 0.751*** (0.185) |
| Democrat | | -0.224 (0.160) | | -0.220 (0.161) |
| Seniority | 0.341*** (0.034) | 0.345*** (0.034) | 0.341*** (0.034) | 0.344*** (0.033) |
| Chair | 2.375*** (0.521) | 2.353*** (0.522) | 2.392*** (0.520) | 2.369*** (0.521) |
| Power Committee | -0.802*** (0.193) | -0.810*** (0.193) | -0.802*** (0.193) | -0.810*** (0.193) |
| State Leg Experience | -0.074 (0.145) | -0.075 (0.145) | -0.073 (0.144) | -0.074 (0.144) |
| Education | 0.102 (0.090) | 0.116 (0.090) | 0.103 (0.090) | 0.117 (0.091) |
| Majority Leadership | 0.595 (0.418) | 0.592 (0.415) | 0.578 (0.412) | 0.574 (0.410) |
| Minority Leadership | 0.944 (0.690) | 0.948 (0.686) | 0.948 (0.691) | 0.953 (0.686) |
| Ideological Extremity | 1.842*** (0.555) | 1.758*** (0.574) | 1.861*** (0.556) | 1.778*** (0.575) |
| Vote Percent | -0.011*** (0.004) | -0.011** (0.004) | -0.011*** (0.004) | -0.011** (0.004) |
| Constant | -0.299 (0.543) | -0.224 (0.554) | -0.295 (0.543) | -0.221 (0.554) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.184 | 0.185 | 0.185 | 0.185 |

Clustered robust standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

Table A6.2 Models of: Correlates of Unorthodox Lawmaking Through Bill Influence (Figure 5)
– Engrossment

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|---------------------|----------------------|---------------------|----------------------|
| Majority | 0.167*** (0.046) | 0.119** (0.048) | 0.150*** (0.047) | 0.102** (0.049) |
| Female | 0.123*** (0.046) | 0.147*** (0.046) | 0.033 (0.044) | 0.063 (0.044) |
| Female*Majority | | | 0.192** (0.083) | 0.179** (0.083) |
| Black | -0.030 (0.063) | 0.049 (0.067) | -0.007 (0.067) | 0.060 (0.070) |
| Black*Majority | | | -0.053 (0.116) | -0.023 (0.115) |
| Hispanic | -0.102** (0.048) | -0.050 (0.052) | -0.100** (0.048) | -0.049 (0.052) |
| AAPI | -0.021 (0.072) | 0.039 (0.075) | -0.015 (0.073) | 0.043 (0.076) |
| Native | 0.028 (0.068) | 0.017 (0.104) | 0.030 (0.069) | 0.019 (0.104) |
| Democrat | | -0.163*** (0.036) | | -0.161*** (0.036) |
| Seniority | 0.075*** (0.007) | 0.078*** (0.007) | 0.075*** (0.007) | 0.078*** (0.007) |
| Chair | 0.400*** (0.132) | 0.384*** (0.132) | 0.409*** (0.131) | 0.392*** (0.131) |
| Power Committee | -0.088** (0.042) | -0.095** (0.041) | -0.088** (0.042) | -0.095** (0.041) |
| State Leg Experience | 0.044 (0.032) | 0.043 (0.031) | 0.044 (0.032) | 0.044 (0.031) |
| Education | 0.011 (0.021) | 0.021 (0.020) | 0.011 (0.021) | 0.022 (0.020) |
| Majority Leadership | 0.186 (0.130) | 0.183 (0.127) | 0.175 (0.131) | 0.173 (0.128) |
| Minority Leadership | 0.031 (0.101) | 0.033 (0.099) | 0.033 (0.101) | 0.036 (0.099) |
| Ideological Extremity | 0.177 (0.115) | 0.116 (0.116) | 0.188 (0.115) | 0.127 (0.116) |
| Vote Percent | -0.002* (0.001) | -0.002 (0.001) | -0.002* (0.001) | -0.002 (0.001) |
| Constant | -0.093 (0.127) | -0.039 (0.129) | -0.091 (0.127) | -0.036 (0.129) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.113 | 0.118 | 0.114 | 0.119 |

Clustered robust standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Table A6.3 Models of: Correlates of Unorthodox Lawmaking Through Bill Influence (Figure 5)
– Enactment

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|---------------------|---------------------|---------------------|---------------------|
| Majority | 0.044 (0.034) | 0.030 (0.035) | 0.037 (0.034) | 0.023 (0.035) |
| Female | 0.081** (0.037) | 0.088** (0.037) | 0.080* (0.044) | 0.089** (0.044) |
| Female*Majority | | | 0.006 (0.067) | 0.002 (0.067) |
| Black | 0.056 (0.066) | 0.079 (0.068) | 0.025 (0.060) | 0.045 (0.062) |
| Black*Majority | | | 0.083 (0.090) | 0.092 (0.090) |
| Hispanic | -0.018 (0.048) | -0.003 (0.050) | -0.019 (0.048) | -0.003 (0.050) |
| AAPI | 0.015 (0.065) | 0.032 (0.065) | 0.013 (0.064) | 0.031 (0.065) |
| Native | -0.007 (0.107) | -0.010 (0.119) | -0.007 (0.108) | -0.010 (0.119) |
| Democrat | | -0.047* (0.025) | | -0.049** (0.025) |
| Seniority | 0.050*** (0.005) | 0.051*** (0.005) | 0.050*** (0.005) | 0.051*** (0.005) |
| Chair | 0.194** (0.090) | 0.190** (0.090) | 0.193** (0.090) | 0.188** (0.090) |
| Power Committee | 0.019 (0.032) | 0.017 (0.031) | 0.019 (0.032) | 0.017 (0.032) |
| State Leg Experience | 0.019 (0.023) | 0.019 (0.023) | 0.019 (0.023) | 0.019 (0.023) |
| Education | -0.005 (0.015) | -0.002 (0.015) | -0.005 (0.015) | -0.002 (0.015) |
| Majority Leadership | 0.051 (0.092) | 0.050 (0.090) | 0.047 (0.093) | 0.046 (0.091) |
| Minority Leadership | -0.006 (0.071) | -0.006 (0.071) | -0.005 (0.071) | -0.004 (0.070) |
| Ideological Extremity | 0.006 (0.079) | -0.012 (0.081) | 0.007 (0.079) | -0.011 (0.081) |
| Vote Percent | -0.001 (0.001) | -0.001 (0.001) | -0.001 (0.001) | -0.001 (0.001) |
| Constant | 0.000 (0.087) | 0.016 (0.089) | 0.003 (0.087) | 0.019 (0.088) |
| Observations | 5,573 | 5,573 | 5,573 | 5,573 |
| R-squared | 0.086 | 0.087 | 0.087 | 0.087 |

Clustered robust standard errors in parentheses
*** p<0.01, ** p<0.05, * p<0.1

Table A7. Comparison Analysis of Correlates of High Legislative Productivity (Table 2.1-2.3) with LES (Volden & Wiseman 2014)

| VARIABLES | (1) | (2) | (3) | (4) |
|-----------------------|----------------------|----------------------|----------------------|----------------------|
| Majority | 0.822*** (0.068) | 0.785*** (0.072) | 0.868*** (0.070) | 0.831*** (0.074) |
| Female | 0.043 (0.050) | 0.062 (0.050) | 0.163*** (0.040) | 0.187*** (0.042) |
| Female*Majority | | | -0.264*** (0.078) | -0.274*** (0.079) |
| Black | -0.159** (0.070) | -0.097 (0.075) | -0.073 (0.055) | -0.021 (0.062) |
| Black*Majority | | | -0.238 (0.184) | -0.214 (0.184) |
| Hispanic | -0.001 (0.096) | 0.040 (0.097) | 0.000 (0.096) | 0.041 (0.098) |
| AAPI | -0.094 (0.087) | -0.047 (0.092) | -0.095 (0.085) | -0.050 (0.090) |
| Native | 0.327*** (0.077) | 0.319*** (0.104) | 0.323*** (0.079) | 0.314*** (0.106) |
| Democrat | | -0.128** (0.055) | | -0.127** (0.055) |
| Seniority | 0.084*** (0.008) | 0.086*** (0.008) | 0.085*** (0.008) | 0.087*** (0.008) |
| Chair | 2.958*** (0.277) | 2.946*** (0.275) | 2.950*** (0.277) | 2.937*** (0.275) |
| Power Committee | -0.305*** (0.061) | -0.310*** (0.061) | -0.305*** (0.061) | -0.310*** (0.061) |
| State Leg Experience | 0.110** (0.050) | 0.110** (0.049) | 0.108** (0.050) | 0.108** (0.049) |
| Education | 0.031 (0.026) | 0.039 (0.026) | 0.029 (0.026) | 0.037 (0.026) |
| Majority Leadership | 0.188 (0.171) | 0.185 (0.172) | 0.214 (0.174) | 0.211 (0.175) |
| Minority Leadership | -0.165** (0.071) | -0.163** (0.071) | -0.175** (0.070) | -0.172** (0.070) |
| Ideological Extremity | -0.092 (0.167) | -0.140 (0.173) | -0.110 (0.167) | -0.158 (0.173) |
| Vote Percent | -0.001 (0.001) | -0.001 (0.001) | -0.001 (0.001) | -0.001 (0.001) |
| Constant | -0.013 (0.171) | 0.030 (0.174) | -0.024 (0.171) | 0.019 (0.173) |
| Observations | 5,575 | 5,575 | 5,575 | 5,575 |
| R-squared | 0.408 | 0.409 | 0.409 | 0.411 |

Clustered robust standard errors in parentheses

*** p<0.01, ** p<0.05, * p<0.1

Appendix B –Data Processing

Traditional Lawmaking: Omissions

Our counts of legislative influence consider only House Resolutions or H.R. bills (not resolutions). We also omit a number of bills from the entirety of our analysis in an attempt to both only measure influence in significant bills and decrease the artificial inflation of influence by common sections of legislative text. These omissions are as follows:

- Using an importance indicator based on the Congressional Bills Project’s criteria³ for bill importance that allows us to exclude types of bills that are routine, and make up a large proportion of bills passed in each Congress. This is meant to filter out bills that do things such as transferring and/or naming government land or buildings. On average this filter omits 10% of introduced bills (28% of bills that pass into law) from our analysis in each congress.
- Based the main topic of each bill as classified by the GPO we eliminate all private legislation. When a bill’s primary topic is “private legislation” it indicates that the bill proposes a law applying to a particular individual or group. These bills function fundamentally differently from public legislation and are also naturally repetitive in the use of specific legislative text making them unsuitable for inclusion in this analysis.

³ Excludes bills with titles that contain any of the following from analysis: “medal”, “coin”, “name”, “technical correction”, “stamp”, “land exchange”, “suspend temporarily”, “extend the temporary”, “boundar”, and “exchange of land”

Unorthodox Lawmaking: Data Processing & Omissions

As discussed in the paper, we use a Jaccard similarity text reuse approach to identify when policies introduced by one legislator appear in bills sponsored by another legislator to give legislators credit for unorthodox lawmaking through bill influence. The Jaccard similarity comparisons were made between each bill section and the sections in every bill that was considered a potential match (bills are considered to be a potential match with Bill A if they contained any legislative action after the introduction of Bill A within the same Congress or any Congress following Bill A's introduction). Because we make these comparisons at the section-level rather than comparing the entire text of every bill we take additional pre- and post-processing steps to omit sections that have repetitive non-original legislative language that legislators should not receive credit for introducing. Table B1 outlines these common section types that were removed from the dataset prior to making Jaccard similarity comparisons as well as the phrases used to identify them. We also have chosen to exclude all bill sections that were found to re-appear more than once in legislation that passes the House or into Law to further eliminate sections that contain commonly reused language that is likely not creditable to the original sponsor in our dataset. While this likely excludes a number of occurrences of unorthodox lawmaking we believe that in this context the problems associated with false positives are more extensive than the problems associated with false negatives.

In addition to these omissions, we processed the bill text prior to making the Jaccard similarity comparisons to improve the reliability and consistency of the identification of true bill text reuse. This pre-processing procedure is outlined below.

- Removal of all sections shorter than 40 words (approximately a sentence and a half).
- Transformation of all text to lowercase.

- Removal of the majority of punctuation from text (intra-word contractions and dashes preserved).
- Removal of any additional formatting remaining within text including whitespace.

Table B1 Sections Omitted from Analysis

| Section Type | Section Text Indicators |
|----------------------------------|---|
| Bill Header | <i>“Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled”</i> |
| Bill Footer | <i>“Passed the House of Representatives”</i> <i>“Attest:”</i> |
| Short Title & Table of Contents | <i>“SHORT TITLE”</i> <i>“TABLE OF CONTENTS”</i> |
| Rules of Amendments & References | <i>“an amendment or repeal is expressed in terms of”</i> <i>“shall be deemed to be a reference to”</i> <i>“each time it appears and inserting”</i> <i>“is amended by adding”</i> <i>“is amended by striking”</i> <i>“is amended by inserting”</i> <i>“whenever in this Act an amendment is expressed”</i> |
| Severability Clause | <i>“severability”</i> |
| Appropriation Specifications | <i>“authorization of appropriations”</i> <i>“none of the funds appropriated”</i> |
| Commission Creation & Regulation | <i>“commission personnel matters”</i> <i>“powers of the commission”</i> |

Note: The Short Title and Table of Contents sections are removed prior to the Jaccard similarity coefficient calculation alongside the bill header (standard introductory jargon, bill title, list of sponsors/cosponsors, and bill

summary – an example of introductory bill text is shown in the Figure B1). The rest of these sections are removed during analysis

After the comparisons are made between bill sections a number of identified potential matches are simplified or eliminated from the analysis for the following reasons:

- Jaccard similarity coefficient < 0.35
- Bill sections found to be reused within the same bill in either the same or other iterations (e.g. Section 1 of Bill A occurs in the introduced, engrossed, and enrolled versions of Bill A – legislators are not given credit for this “reuse” of bill text).
- When multiple sections from any given bill are found to be influential of multiple sections in a given second bill, these are simplified to indicate a single instance of bill text reuse.
- Bill sections found to be reused in bills sponsored by the same legislator as the initial bill are not currently being counted as bill influence. While this is an occurrence of bill text reuse, it is fundamentally different than when that text occurs in a bill being sponsored by a different legislator.

Figure B1 Bill Header & Footer Text Example (H.R. 1 – 103rd Congress – Engrossed)

103d CONGRESS
1st Session

H. R. 1

To grant family and temporary medical leave under certain
circumstances.

IN THE HOUSE OF REPRESENTATIVES

January 5, 1993

Mr. Ford of Michigan (for himself, Mr. Clay, Mr. Miller of California, Mr. Murphy, Mr. Kildee, Mr. Williams, Mr. Martinez, Mr. Owens, Mr. Sawyer, Mr. Payne of New Jersey, Ms. Unsoeld, Ms. Mink, Mr. Andrews of New Jersey, Mr. Reed, Mr. Roemer, Mr. Engel, Mr. Becerra, Mr. Scott, Mr. Gene Green of Texas, Ms. Woolsey, Mr. Romero-Barcelo, Mr. Klink, Ms. English of Arizona, Mr. Strickland, Mrs. Schroeder, Mrs. Roukema, Ms. Snowe, Mr. Swett, Mr. Ford of Tennessee, Mr. Matsui, Mr. Bonior, Mr. Sanders, Mrs. Kennelly, Mr. Gordon, and Mr. Weldon) introduced the following bill; which was referred jointly to the Committees on Education and Labor, Post Office and Civil Service, and House Administration

January 21, 1993

Additional sponsors: Mr. Gephardt, Mr. Ackerman, Mr. Bacchus of Florida, Mr. Baesler, Mr. Barrett of Wisconsin, Mr. Berman, Mr. Bilbray, Mr. Borski, Mr. Brown of California, Ms. Byrne, Mr. Chapman, Mr. Clyburn, Mr. Conyers, Mr. Costello, Mr. DeFazio, Ms. DeLauro, Mr. Dellums, Mr. de Lugo, Ms. Eshoo, Mr. Espy, Mr. Faleomavaega, Mr. Fazio, Mr. Flake, Mr. Foglietta, Mr. Frank of Massachusetts, Mr. Gibbons, Ms. Harman, Mr. Hinchey, Mr. Holden, Mr. Hyde, Mr. Johnston of Florida, Mr. Kopetski, Mr. Lehman, Ms. Long, Mr. McCloskey, Mr. McDermott, Mr. Machtley, Ms. Maloney, Mr. Manton, Mr. Markey, Mr. Mazzoli, Mr. Meehan, Mr. Mineta, Mrs. Morella, Mr. Murtha, Ms. Norton, Mr. Olver, Mr. Panetta, Mr. Pastor, Ms. Pelosi, Mr. Peterson of Minnesota, Mr. Peterson of Florida, Mr. Pomeroy, Mr. Rahall, Mr. Reynolds, Ms. Schenk, Mr. Schumer, Mr. Shays, Mr. Stark, Mr. Studds, Mr. Stupak, Mr. Swift, Mr. Vento, Mr. Washington, Mr. Waxman, Mr. Wise, Mr. Wynn, Ms. Brown of Florida, Mr. Blackwell, Mr. Dooley, Mr. Coleman, Mrs. Collins of Illinois, Mr. Evans, Mr. Fish, Mr. Levin, Ms. Molinari, Mr. Neal of Massachusetts, Mr. Oberstar, Mr. Poshard, Mr. Sabo, Ms. Slaughter, Mr. Smith of New Jersey, Ms. Waters, Mr. Wheat, Mr. Dixon, Mr. Serrano, Mr. Rangel, Mr. Pallone, Mr. Traficant, Mr. Cardin, Mr. Andrews of Maine, Mr. Sangmeister, Mr. Wilson, Mr. Edwards of California, Mr. Ravel, Mr. Kleczka, and Mr. Durbin

A BILL

To grant family and temporary medical leave under certain
circumstances.

Be it enacted by the Senate and House of Representatives
of the United States of America in Congress assembled

Passed the House of Representatives February 3, 1993.

Attest:
Clerk.