



Parameters for IRT Analyses of PIRLS Achievement Data

Exhibit D.1: IRT Parameters for Analyses of PIRLS Overall Reading Achievement

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)	Step 1 (dj1)	S.E. (dj1)	Step 2 (dj2)	S.E. (dj2)	Step 3 (dj3)	S.E. (dj3)
Reading	R011A01C	0.827	0.031	-1.226	0.044	0.000	0.000						
Reading	R011A02M	1.108	0.073	0.264	0.047	0.246	0.021						
Reading	R011A03C	0.773	0.029	-0.858	0.038	0.000	0.000						
Reading	R011A04C	0.775	0.021	0.000	0.020	0.000	0.000	0.987	0.033	-0.987	0.030		
Reading	R011A05M	1.054	0.062	-0.956	0.083	0.263	0.038						
Reading	R011A06M	1.014	0.060	-1.112	0.092	0.255	0.041						
Reading	R011A07C	0.696	0.018	-0.374	0.017	0.000	0.000	0.106	0.049	0.050	0.045	-0.157	0.035
Reading	R011A08C	0.626	0.020	-0.683	0.029	0.000	0.000	0.255	0.048	-0.255	0.035		
Reading	R011A09C	0.724	0.023	0.085	0.020	0.000	0.000	0.518	0.034	-0.518	0.031		
Reading	R011A10M	1.384	0.068	0.140	0.030	0.116	0.016						
Reading	R011A11C	0.889	0.033	0.153	0.024	0.000	0.000						
Reading	R011L01M	0.526	0.046	-2.497	0.419	0.000	0.179						
Reading	R011L02M	0.779	0.078	0.805	0.064	0.236	0.024						
Reading	R011L03C	0.655	0.026	-0.288	0.033	0.000	0.000						
Reading	R011L04C	0.548	0.014	0.515	0.022	0.000	0.000	1.522	0.044	-0.901	0.047	-0.621	0.064
Reading	R011L05M	1.269	0.092	0.745	0.033	0.207	0.015						
Reading	R011L06C	0.743	0.029	0.247	0.027	0.000	0.000						
Reading	R011L07M	0.787	0.066	0.655	0.057	0.162	0.023						
Reading	R011L08C	0.816	0.025	0.723	0.020	0.000	0.000	0.659	0.027	-0.659	0.035		
Reading	R011L09M	0.951	0.055	-0.740	0.082	0.214	0.036						
Reading	R011L10C	0.769	0.025	0.767	0.021	0.000	0.000	0.144	0.030	-0.144	0.037		
Reading	R011L11M	0.932	0.064	-0.011	0.069	0.231	0.029						
Reading	R011L12C	0.822	0.026	0.756	0.020	0.000	0.000	0.687	0.027	-0.687	0.036		
Reading	R011N01M	0.835	0.062	-0.281	0.096	0.285	0.035						
Reading	R011N02M	0.804	0.073	0.306	0.083	0.290	0.030						
Reading	R011N03M	1.034	0.066	-0.643	0.082	0.294	0.035						
Reading	R011N04M	1.181	0.073	0.453	0.036	0.154	0.017						
Reading	R011N05M	1.344	0.081	0.240	0.038	0.223	0.019						
Reading	R011N06M	1.768	0.126	0.875	0.025	0.184	0.011						
Reading	R011N07C	0.607	0.022	0.642	0.025	0.000	0.000	0.254	0.038	-0.254	0.044		

Exhibit D.1: IRT Parameters for Analyses of PIRLS Overall Reading Achievement (continued)

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)	Step 1 (dj1)	S.E. (dj1)	Step 2 (dj2)	S.E. (dj2)	Step 3 (dj3)	S.E. (dj3)
Reading	R011N08C	0.628	0.021	0.235	0.023	0.000	0.000	0.712	0.038	-0.712	0.039		
Reading	R011N09M	1.171	0.064	-0.422	0.055	0.192	0.027						
Reading	R011N10C	0.866	0.039	1.052	0.037	0.000	0.000						
Reading	R011N11M	1.058	0.076	0.446	0.047	0.205	0.021						
Reading	R011N12C	0.801	0.024	0.494	0.018	0.000	0.000	-0.032	0.032	0.032	0.034		
Reading	R011N13C	0.625	0.030	0.095	0.034	0.000	0.000						
Reading	R011R01M	0.812	0.055	0.100	0.067	0.165	0.027						
Reading	R011R02M	1.268	0.087	0.618	0.034	0.217	0.016						
Reading	R011R03M	0.800	0.052	-1.104	0.127	0.240	0.051						
Reading	R011R04C	0.876	0.031	-1.000	0.037	0.000	0.000						
Reading	R011R05C	1.129	0.037	-0.590	0.025	0.000	0.000						
Reading	R011R06C	0.604	0.015	-0.143	0.021	0.000	0.000	-0.545	0.046	0.545	0.043		
Reading	R011R07C	0.967	0.034	0.196	0.022	0.000	0.000						
Reading	R011R08C	0.813	0.025	0.348	0.017	0.000	0.000	0.304	0.029	-0.304	0.030		
Reading	R011R09C	0.643	0.020	-0.029	0.021	0.000	0.000	0.134	0.040	-0.134	0.036		
Reading	R011R10C	0.364	0.012	0.372	0.028	0.000	0.000	0.936	0.074	0.593	0.066	-1.529	0.079
Reading	R011R11C	0.640	0.020	0.007	0.018	0.000	0.000	0.404	0.050	0.168	0.044	-0.571	0.040
Reading	R011C01C	1.411	0.044	-0.075	0.018	0.000	0.000						
Reading	R011C02C	0.845	0.032	0.397	0.025	0.000	0.000						
Reading	R011C03C	1.322	0.042	-0.385	0.021	0.000	0.000						
Reading	R011C04M	1.346	0.080	0.458	0.031	0.174	0.015						
Reading	R011C05M	0.948	0.075	0.014	0.079	0.358	0.029						
Reading	R011C06C	1.163	0.038	-0.030	0.020	0.000	0.000						
Reading	R011C07M	1.175	0.068	-0.281	0.057	0.259	0.026						
Reading	R011C08C	0.651	0.018	0.353	0.019	0.000	0.000	-0.259	0.038	0.259	0.040		
Reading	R011C09M	1.297	0.086	0.692	0.030	0.158	0.014						
Reading	R011C10C	0.671	0.018	0.390	0.015	0.000	0.000	0.153	0.039	-0.172	0.045	0.020	0.044
Reading	R011C11C	0.812	0.025	0.269	0.019	0.000	0.000	0.698	0.030	-0.698	0.030		
Reading	R011C12M	1.000	0.081	0.431	0.057	0.269	0.024						
Reading	R011C13M	0.942	0.075	0.484	0.055	0.212	0.024						
Reading	R011F01M	1.496	0.073	-0.342	0.038	0.194	0.021						
Reading	R011F02M	0.667	0.049	-0.565	0.127	0.185	0.046						
Reading	R011F03M	0.956	0.054	-0.456	0.069	0.188	0.031						
Reading	R011F04M	1.276	0.069	-0.705	0.058	0.247	0.030						
Reading	R011F05M	1.009	0.062	-0.180	0.063	0.233	0.027						
Reading	R011F06C	0.831	0.030	-0.240	0.027	0.000	0.000						
Reading	R011F07C	0.495	0.014	0.532	0.024	0.000	0.000	-0.769	0.052	0.769	0.055		
Reading	R011F08C	1.092	0.036	-0.095	0.021	0.000	0.000						
Reading	R011F09C	1.061	0.028	-0.458	0.017	0.000	0.000	0.068	0.031	-0.068	0.024		
Reading	R011F10C	0.912	0.034	-1.077	0.040	0.000	0.000						
Reading	R011F11M	0.680	0.054	0.252	0.083	0.126	0.032						
Reading	R011F12C	0.658	0.020	0.755	0.022	0.000	0.000	-0.273	0.037	0.273	0.043		

Exhibit D.1: IRT Parameters for Analyses of PIRLS Overall Reading Achievement (continued)

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)	Step 1 (dj1)	S.E. (dj1)	Step 2 (dj2)	S.E. (dj2)	Step 3 (dj3)	S.E. (dj3)
Reading	R011F13M	1.037	0.071	0.207	0.055	0.222	0.025						
Reading	R011H01M	0.690	0.059	-1.454	0.226	0.356	0.072						
Reading	R011H02M	0.919	0.054	-1.430	0.107	0.166	0.048						
Reading	R011H03C	0.320	0.015	0.873	0.049	0.000	0.000	0.741	0.066	-0.741	0.081		
Reading	R011H04C	0.868	0.032	-1.105	0.041	0.000	0.000						
Reading	R011H05M	1.109	0.058	-1.014	0.069	0.161	0.034						
Reading	R011H06M	0.724	0.045	-0.600	0.095	0.101	0.037						
Reading	R011H07C	0.608	0.020	-0.550	0.027	0.000	0.000	0.292	0.048	-0.292	0.037		
Reading	R011H08C	0.788	0.031	0.006	0.027	0.000	0.000						
Reading	R011H09C	0.726	0.022	-0.681	0.026	0.000	0.000	0.080	0.045	-0.080	0.034		
Reading	R011H10C	0.644	0.016	0.475	0.017	0.000	0.000	-0.134	0.049	1.126	0.048	-0.992	0.046
Reading	R011H11M	1.289	0.069	-0.438	0.051	0.182	0.027						
Reading	R011M01M	1.320	0.076	-0.513	0.057	0.313	0.027						
Reading	R011M02M	1.188	0.069	-1.096	0.078	0.294	0.037						
Reading	R011M03M	1.288	0.074	0.332	0.034	0.183	0.016						
Reading	R011M04C	0.838	0.034	0.791	0.030	0.000	0.000						
Reading	R011M05M	1.187	0.066	-0.413	0.057	0.254	0.027						
Reading	R011M06C	1.071	0.029	-0.343	0.016	0.000	0.000	0.274	0.028	-0.274	0.022		
Reading	R011M07C	1.095	0.036	-0.550	0.025	0.000	0.000						
Reading	R011M08M	1.144	0.101	0.852	0.042	0.267	0.017						
Reading	R011M09M	1.128	0.058	-0.530	0.056	0.174	0.027						
Reading	R011M10C	1.184	0.044	-1.353	0.037	0.000	0.000						
Reading	R011M11C	0.839	0.033	0.575	0.027	0.000	0.000						
Reading	R011M12C	0.629	0.020	0.728	0.019	0.000	0.000	0.727	0.037	-0.074	0.042	-0.654	0.056
Reading	R011M13M	0.970	0.075	-0.045	0.080	0.346	0.030						
Reading	R011M14C	0.961	0.034	-0.141	0.024	0.000	0.000						
Reading	R011M01M	1.320	0.076	-0.513	0.057	0.313	0.027						
Reading	R011M02M	1.188	0.069	-1.096	0.078	0.294	0.037						
Reading	R011M03M	1.288	0.074	0.332	0.034	0.183	0.016						
Reading	R011M04C	0.838	0.034	0.791	0.030	0.000	0.000						
Reading	R011M05M	1.187	0.066	-0.413	0.057	0.254	0.027						
Reading	R011M06C	1.071	0.029	-0.343	0.016	0.000	0.000	0.274	0.028	-0.274	0.022		
Reading	R011M07C	1.095	0.036	-0.550	0.025	0.000	0.000						
Reading	R011M08M	1.144	0.101	0.852	0.042	0.267	0.017						
Reading	R011M09M	1.128	0.058	-0.530	0.056	0.174	0.027						
Reading	R011M10C	1.184	0.044	-1.353	0.037	0.000	0.000						
Reading	R011M11C	0.839	0.033	0.575	0.027	0.000	0.000						
Reading	R011M12C	0.629	0.020	0.728	0.019	0.000	0.000	0.727	0.037	-0.074	0.042	-0.654	0.056
Reading	R011M13M	0.970	0.075	-0.045	0.080	0.346	0.030						
Reading	R011M14C	0.961	0.034	-0.141	0.024	0.000	0.000						

Exhibit D.2: IRT Parameters for Analyses of PIRLS Reading Achievement for Literary Purposes

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)	Step 1 (dj1)	S.E. (dj1)	Step 2 (dj2)	S.E. (dj2)	Step 3 (dj3)	S.E. (dj3)
Literary	R011C01C	1.393	0.043	-0.095	0.018	0.000	0.000						
Literary	R011C02C	0.823	0.031	0.390	0.025	0.000	0.000						
Literary	R011C03C	1.286	0.040	-0.419	0.022	0.000	0.000						
Literary	R011C04M	1.311	0.077	0.455	0.031	0.175	0.015						
Literary	R011C05M	0.918	0.070	-0.019	0.079	0.352	0.028						
Literary	R011C06C	1.142	0.037	-0.049	0.020	0.000	0.000						
Literary	R011C07M	1.174	0.067	-0.281	0.055	0.272	0.025						
Literary	R011C08C	0.637	0.018	0.345	0.020	0.000	0.000	-0.259	0.039	0.259	0.040		
Literary	R011C09M	1.225	0.081	0.711	0.032	0.162	0.014						
Literary	R011C10C	0.647	0.017	0.384	0.016	0.000	0.000	0.161	0.040	-0.181	0.046	0.020	0.046
Literary	R011C11C	0.783	0.024	0.256	0.020	0.000	0.000	0.726	0.031	-0.726	0.031		
Literary	R011C12M	0.971	0.077	0.432	0.057	0.271	0.023						
Literary	R011C13M	0.897	0.070	0.494	0.057	0.217	0.023						
Literary	R011F01M	1.517	0.072	-0.346	0.036	0.195	0.020						
Literary	R011F02M	0.697	0.049	-0.474	0.113	0.220	0.039						
Literary	R011F03M	0.971	0.053	-0.448	0.064	0.195	0.028						
Literary	R011F04M	1.282	0.067	-0.710	0.055	0.253	0.027						
Literary	R011F05M	1.002	0.060	-0.171	0.061	0.240	0.026						
Literary	R011F06C	0.846	0.029	-0.239	0.027	0.000	0.000						
Literary	R011F07C	0.506	0.014	0.532	0.024	0.000	0.000	-0.736	0.051	0.736	0.054		
Literary	R011F08C	1.109	0.036	-0.096	0.021	0.000	0.000						
Literary	R011F09C	1.117	0.030	-0.465	0.017	0.000	0.000	0.107	0.030	-0.107	0.023		
Literary	R011F10C	0.925	0.033	-1.091	0.039	0.000	0.000						
Literary	R011F11M	0.694	0.054	0.338	0.076	0.160	0.028						
Literary	R011F12C	0.634	0.019	0.773	0.023	0.000	0.000	-0.287	0.039	0.287	0.045		
Literary	R011F13M	1.000	0.067	0.208	0.055	0.223	0.024						
Literary	R011H01M	0.646	0.049	-1.691	0.221	0.280	0.075						
Literary	R011H02M	0.944	0.055	-1.397	0.103	0.191	0.045						
Literary	R011H03C	0.320	0.015	0.874	0.049	0.000	0.000	0.746	0.066	-0.746	0.081		
Literary	R011H04C	0.882	0.032	-1.113	0.040	0.000	0.000						
Literary	R011H05M	1.176	0.062	-0.971	0.063	0.189	0.031						
Literary	R011H06M	0.808	0.048	-0.463	0.079	0.156	0.031						
Literary	R011H07C	0.631	0.020	-0.549	0.026	0.000	0.000	0.312	0.046	-0.312	0.036		
Literary	R011H08C	0.837	0.031	0.008	0.026	0.000	0.000						
Literary	R011H09C	0.779	0.023	-0.676	0.024	0.000	0.000	0.125	0.043	-0.125	0.032		
Literary	R011H10C	0.639	0.016	0.474	0.017	0.000	0.000	-0.118	0.050	1.132	0.048	-1.014	0.046
Literary	R011H11M	1.216	0.064	-0.467	0.052	0.188	0.026						
Literary	R011M01M	1.231	0.068	-0.591	0.058	0.293	0.026						
Literary	R011M02M	1.127	0.065	-1.200	0.082	0.271	0.037						
Literary	R011M03M	1.268	0.071	0.326	0.034	0.181	0.016						
Literary	R011M04C	0.845	0.033	0.789	0.030	0.000	0.000						
Literary	R011M05M	1.172	0.063	-0.440	0.055	0.251	0.025						

Exhibit D.2: IRT Parameters for Analyses of PIRLS Reading Achievement for Literary Purposes (continued)

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)	Step 1 (dj1)	S.E. (dj1)	Step 2 (dj2)	S.E. (dj2)	Step 3 (dj3)	S.E. (dj3)
Literary	R011M06C	1.103	0.030	-0.360	0.016	0.000	0.000	0.303	0.028	-0.303	0.022		
Literary	R011M07C	1.047	0.034	-0.591	0.027	0.000	0.000						
Literary	R011M08M	1.132	0.098	0.876	0.042	0.270	0.016						
Literary	R011M09M	1.142	0.057	-0.540	0.052	0.181	0.024						
Literary	R011M10C	1.149	0.042	-1.428	0.038	0.000	0.000						
Literary	R011M11C	0.841	0.033	0.573	0.026	0.000	0.000						
Literary	R011M12C	0.624	0.020	0.732	0.020	0.000	0.000	0.753	0.038	-0.081	0.042	-0.672	0.056
Literary	R011M13M	0.952	0.070	-0.062	0.078	0.344	0.029						
Literary	R011M14C	0.931	0.032	-0.162	0.025	0.000	0.000						

Exhibit D.3: IRT Parameters for Analyses of PIRLS Reading Achievement for Informational Purposes

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)	Step 1 (dj1)	S.E. (dj1)	Step 2 (dj2)	S.E. (dj2)	Step 3 (dj3)	S.E. (dj3)
Information	R011A01C	0.788	0.028	-1.337	0.046	0.000	0.000						
Information	R011A02M	1.189	0.075	0.253	0.042	0.254	0.019						
Information	R011A03C	0.748	0.027	-0.935	0.040	0.000	0.000						
Information	R011A04C	0.778	0.021	-0.044	0.020	0.000	0.000	1.007	0.034	-1.007	0.030		
Information	R011A05M	0.975	0.059	-1.043	0.090	0.277	0.035						
Information	R011A06M	0.998	0.060	-1.156	0.092	0.277	0.037						
Information	R011A07C	0.739	0.019	-0.410	0.017	0.000	0.000	0.183	0.048	0.026	0.043	-0.210	0.033
Information	R011A08C	0.640	0.020	-0.728	0.028	0.000	0.000	0.289	0.048	-0.289	0.035		
Information	R011A09C	0.729	0.023	0.048	0.020	0.000	0.000	0.533	0.034	-0.533	0.031		
Information	R011A10M	1.419	0.069	0.129	0.029	0.128	0.015						
Information	R011A11C	0.869	0.033	0.117	0.024	0.000	0.000						
Information	R011L01M	0.587	0.040	-1.963	0.213	0.208	0.071						
Information	R011L02M	0.810	0.076	0.785	0.059	0.235	0.022						
Information	R011L03C	0.672	0.026	-0.273	0.032	0.000	0.000						
Information	R011L04C	0.583	0.015	0.504	0.021	0.000	0.000	1.463	0.041	-0.854	0.044	-0.609	0.060
Information	R011L05M	1.254	0.090	0.736	0.033	0.204	0.015						
Information	R011L06C	0.777	0.030	0.249	0.026	0.000	0.000						
Information	R011L07M	0.822	0.066	0.664	0.052	0.170	0.021						
Information	R011L08C	0.858	0.026	0.707	0.019	0.000	0.000	0.638	0.026	-0.638	0.034		
Information	R011L09M	1.004	0.058	-0.661	0.073	0.240	0.031						
Information	R011L10C	0.825	0.027	0.744	0.019	0.000	0.000	0.150	0.028	-0.150	0.035		
Information	R011L11M	0.967	0.065	0.022	0.062	0.243	0.026						
Information	R011L12C	0.882	0.027	0.732	0.019	0.000	0.000	0.659	0.025	-0.659	0.034		
Information	R011N01M	0.869	0.060	-0.288	0.082	0.281	0.030						
Information	R011N02M	0.842	0.066	0.220	0.070	0.262	0.026						
Information	R011N03M	1.131	0.070	-0.548	0.069	0.331	0.029						
Information	R011N04M	1.304	0.078	0.456	0.031	0.161	0.015						
Information	R011N05M	1.542	0.089	0.244	0.032	0.224	0.016						
Information	R011N06M	1.898	0.129	0.835	0.023	0.178	0.011						
Information	R011N07C	0.659	0.023	0.612	0.023	0.000	0.000	0.266	0.035	-0.266	0.041		
Information	R011N08C	0.657	0.021	0.218	0.022	0.000	0.000	0.711	0.037	-0.711	0.037		
Information	R011N09M	1.232	0.065	-0.407	0.048	0.200	0.023						
Information	R011N10C	0.903	0.041	1.020	0.035	0.000	0.000						
Information	R011N11M	1.083	0.071	0.378	0.041	0.181	0.019						
Information	R011N12C	0.706	0.022	0.499	0.020	0.000	0.000	-0.082	0.036	0.082	0.039		
Information	R011N13C	0.556	0.028	0.050	0.038	0.000	0.000						
Information	R011R01M	0.868	0.056	0.160	0.058	0.175	0.024						
Information	R011R02M	1.423	0.091	0.603	0.030	0.210	0.015						
Information	R011R03M	0.895	0.056	-0.901	0.100	0.283	0.040						
Information	R011R04C	0.938	0.033	-0.908	0.035	0.000	0.000						
Information	R011R05C	1.281	0.042	-0.497	0.023	0.000	0.000						
Information	R011R06C	0.694	0.017	-0.083	0.019	0.000	0.000	-0.435	0.041	0.435	0.037		

Exhibit D.3: IRT Parameters for Analyses of PIRLS Reading Achievement for Informational Purposes (continued)

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)	Step 1 (dj1)	S.E. (dj1)	Step 2 (dj2)	S.E. (dj2)	Step 3 (dj3)	S.E. (dj3)
Information	R011R07C	1.079	0.037	0.226	0.020	0.000	0.000						
Information	R011R08C	0.884	0.027	0.367	0.016	0.000	0.000	0.298	0.027	-0.298	0.028		
Information	R011R09C	0.641	0.021	-0.004	0.021	0.000	0.000	0.123	0.040	-0.123	0.036		
Information	R011R10C	0.372	0.013	0.388	0.028	0.000	0.000	0.919	0.073	0.577	0.064	-1.497	0.077
Information	R011R11C	0.688	0.021	0.035	0.017	0.000	0.000	0.410	0.047	0.148	0.041	-0.558	0.037

Exhibit D.4: IRT Parameters for Analyses of Overall Reading Literacy Achievement

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)
Reading	ADISLAN1	0.623	0.030	-1.422	0.130	0.167	0.052
Reading	ADISLAN2	0.549	0.027	-2.867	0.177	0.163	0.067
Reading	ADISLAN3	0.625	0.038	0.241	0.077	0.187	0.026
Reading	ADISLAN4	0.491	0.027	-1.129	0.159	0.152	0.051
Reading	ADMARIA1	0.491	0.024	-2.430	0.177	0.150	0.061
Reading	ADMARIA2	0.580	0.030	-0.934	0.114	0.125	0.041
Reading	ADMARIA3	0.653	0.028	-1.844	0.123	0.147	0.053
Reading	ADBOTTL1	0.833	0.036	-1.767	0.105	0.184	0.054
Reading	ADBOTTL2	0.921	0.044	-0.030	0.050	0.263	0.020
Reading	ADBOTTL3	0.890	0.037	-2.050	0.094	0.146	0.052
Reading	ADBOTTL4	0.811	0.034	-1.278	0.085	0.161	0.041
Reading	ADBUSES1	0.828	0.024	-1.726	0.038	0.000	0.000
Reading	ADBUSES2	0.778	0.019	-0.598	0.021	0.000	0.000
Reading	ADBUSES3	0.695	0.022	1.302	0.037	0.000	0.000
Reading	ADBUSES4	0.542	0.016	-0.123	0.025	0.000	0.000
Reading	ADCONTE1	0.706	0.025	-2.302	0.061	0.000	0.000
Reading	ADCONTE2	1.271	0.050	-1.907	0.056	0.111	0.037
Reading	ADCONTE3	0.919	0.036	-1.491	0.073	0.138	0.039
Reading	ADTEMPR1	0.542	0.033	-1.114	0.179	0.234	0.058
Reading	ADTEMPR3	0.776	0.055	1.127	0.047	0.233	0.014
Reading	ADTEMPR4	0.711	0.043	0.604	0.054	0.194	0.019
Reading	ADTEMPR5	0.817	0.035	-0.702	0.067	0.156	0.030
Reading	AEPCARD1	0.660	0.031	-2.243	0.150	0.184	0.067
Reading	AEPCARD2	0.792	0.040	-2.815	0.146	0.194	0.076
Reading	AEWALRU1	0.603	0.032	-2.670	0.197	0.216	0.082
Reading	AEWALRU2	0.831	0.039	-2.317	0.125	0.183	0.067
Reading	AEWALRU3	0.793	0.035	-1.150	0.088	0.168	0.041
Reading	AEWALRU4	0.783	0.033	-1.336	0.090	0.145	0.042
Reading	AEWALRU5	0.469	0.025	-1.386	0.169	0.143	0.054
Reading	AEWALRU6	0.806	0.037	-0.228	0.059	0.165	0.025
Reading	AEQSAND1	0.622	0.039	-0.400	0.119	0.277	0.038
Reading	AEQSAND2	0.990	0.038	-0.871	0.052	0.153	0.027
Reading	AEQSAND3	0.929	0.038	-1.183	0.071	0.182	0.036
Reading	AEMARMO1	0.775	0.044	0.274	0.059	0.218	0.022
Reading	AEMARMO2	0.808	0.039	0.292	0.045	0.152	0.018
Reading	AEMARMO3	0.672	0.038	0.539	0.055	0.140	0.020
Reading	AEMARMO4	0.733	0.048	0.743	0.054	0.234	0.018
Reading	AETREES1	0.930	0.042	-0.855	0.070	0.217	0.033
Reading	AETREES2	0.467	0.031	-0.044	0.126	0.123	0.037
Reading	AETREES3	0.626	0.039	0.088	0.088	0.187	0.030
Reading	AETREES4	0.684	0.047	0.764	0.060	0.199	0.020
Reading	AETREES5	0.768	0.047	-0.282	0.093	0.328	0.032

Exhibit D.4: IRT Parameters for Analyses of Overall Reading Literacy Achievement (continued)

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)
Reading	AETREES6	0.138	0.020	0.000	0.844	0.224	0.075
Reading	ANBIRD01	0.951	0.038	-0.183	0.041	0.153	0.018
Reading	ANBIRD02	0.547	0.026	-0.913	0.114	0.122	0.040
Reading	ANBIRD03	0.782	0.033	0.092	0.042	0.092	0.017
Reading	ANBIRD04	1.111	0.045	-1.020	0.054	0.173	0.030
Reading	ANBIRD05	1.165	0.051	-1.873	0.076	0.189	0.049
Reading	ANNODOG1	0.823	0.041	-0.906	0.092	0.280	0.038
Reading	ANNODOG2	0.812	0.039	-0.017	0.055	0.196	0.022
Reading	ANNODOG3	0.909	0.043	-0.819	0.076	0.237	0.035
Reading	ANNODOG4	1.054	0.045	-0.137	0.041	0.221	0.018
Reading	ANNODOG5	0.725	0.036	0.231	0.053	0.136	0.020
Reading	ANNODOG6	1.252	0.055	-0.759	0.049	0.273	0.026
Reading	ANSHARK1	1.114	0.044	-1.103	0.055	0.200	0.030
Reading	ANSHARK2	0.806	0.032	-1.194	0.075	0.130	0.036
Reading	ANSHARK3	0.950	0.043	-0.939	0.070	0.229	0.034
Reading	ANSHARK4	0.793	0.037	-0.568	0.074	0.217	0.030
Reading	ANSHARK5	0.865	0.038	-0.603	0.064	0.203	0.028
Reading	ANGRAPA1	0.938	0.038	-0.790	0.059	0.165	0.028
Reading	ANGRAPA2	1.510	0.053	-0.536	0.028	0.165	0.016
Reading	ANGRAPA3	0.914	0.042	-0.433	0.059	0.225	0.026
Reading	ANGRAPA4	0.774	0.034	-0.645	0.072	0.150	0.031
Reading	ANGRAPA5	1.331	0.058	-0.687	0.044	0.263	0.024
Reading	ANGRAPA6	0.972	0.041	-0.315	0.047	0.176	0.021

Exhibit D.5: IRT Parameters for Analyses of Reading Literacy for Narrative Purposes

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)
Narrative	ANBIRD01	0.908	0.036	-0.199	0.044	0.132	0.020
Narrative	ANBIRD02	0.564	0.025	-0.902	0.100	0.101	0.037
Narrative	ANBIRD03	0.728	0.030	0.084	0.045	0.072	0.018
Narrative	ANBIRD04	1.174	0.043	-1.043	0.045	0.110	0.027
Narrative	ANBIRD05	1.228	0.051	-1.814	0.067	0.156	0.048
Narrative	ANNODOG1	0.747	0.035	-1.091	0.105	0.193	0.046
Narrative	ANNODOG2	0.759	0.037	-0.052	0.063	0.170	0.025
Narrative	ANNODOG3	0.886	0.040	-0.897	0.078	0.182	0.038
Narrative	ANNODOG4	1.034	0.044	-0.131	0.043	0.213	0.019
Narrative	ANNODOG5	0.680	0.035	0.238	0.060	0.125	0.023
Narrative	ANNODOG6	1.273	0.056	-0.769	0.049	0.257	0.027
Narrative	ANSHARK1	1.117	0.040	-1.162	0.050	0.126	0.030
Narrative	ANSHARK2	0.851	0.030	-1.176	0.061	0.092	0.031
Narrative	ANSHARK3	0.974	0.042	-0.965	0.067	0.182	0.035
Narrative	ANSHARK4	0.740	0.032	-0.713	0.078	0.139	0.034
Narrative	ANSHARK5	0.866	0.034	-0.693	0.060	0.133	0.029
Narrative	ANGRAPA1	1.032	0.040	-0.752	0.051	0.151	0.027
Narrative	ANGRAPA2	1.696	0.058	-0.541	0.024	0.135	0.015
Narrative	ANGRAPA3	0.942	0.041	-0.471	0.057	0.190	0.026
Narrative	ANGRAPA4	0.818	0.035	-0.617	0.067	0.141	0.031
Narrative	ANGRAPA5	1.594	0.068	-0.643	0.035	0.259	0.021
Narrative	ANGRAPA6	1.011	0.039	-0.363	0.043	0.134	0.021

Exhibit D.6: IRT Parameters for Analyses of Reading Literacy for Expository Purposes

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)
Expository	AEPCARD1	0.675	0.031	-2.175	0.140	0.172	0.066
Expository	AEPCARD2	0.834	0.042	-2.661	0.139	0.195	0.076
Expository	AEWALRU1	0.703	0.035	-2.384	0.155	0.198	0.075
Expository	AEWALRU2	0.951	0.044	-2.116	0.103	0.173	0.063
Expository	AEWALRU3	0.853	0.033	-1.156	0.069	0.115	0.036
Expository	AEWALRU4	0.853	0.034	-1.271	0.077	0.129	0.040
Expository	AEWALRU5	0.503	0.025	-1.315	0.146	0.130	0.050
Expository	AEWALRU6	0.796	0.036	-0.264	0.061	0.141	0.026
Expository	AEQSAND1	0.574	0.032	-0.643	0.129	0.179	0.045
Expository	AEQSAND2	1.116	0.041	-0.797	0.045	0.152	0.025
Expository	AEQSAND3	1.003	0.040	-1.116	0.065	0.174	0.036
Expository	AEMARMO1	0.778	0.045	0.326	0.061	0.228	0.022
Expository	AEMARMO2	0.872	0.042	0.363	0.042	0.173	0.017
Expository	AEMARMO3	0.712	0.040	0.594	0.053	0.154	0.019
Expository	AEMARMO4	0.745	0.049	0.820	0.055	0.247	0.018
Expository	AETREES1	0.949	0.041	-0.897	0.068	0.175	0.035
Expository	AETREES2	0.502	0.032	-0.008	0.118	0.128	0.037
Expository	AETREES3	0.610	0.038	0.050	0.095	0.169	0.032
Expository	AETREES4	0.681	0.045	0.736	0.062	0.187	0.021
Expository	AETREES5	0.720	0.045	-0.378	0.108	0.293	0.038
Expository	AETREES6	0.580	0.125	3.205	0.308	0.300	0.014

Exhibit D.7: IRT Parameters for Analyses of Reading Literacy for Document Purposes

Scale Name	Item	Slope (aj)	S.E. (aj)	Location (bj)	S.E. (bj)	Guessing (cj)	S.E. (cj)
Document	ADISLAN1	0.766	0.037	-1.100	0.107	0.230	0.046
Document	ADISLAN2	0.607	0.030	-2.566	0.175	0.191	0.075
Document	ADISLAN3	0.673	0.037	0.238	0.068	0.176	0.024
Document	ADISLAN4	0.564	0.030	-0.946	0.137	0.166	0.049
Document	ADMARIA1	0.492	0.025	-2.348	0.188	0.165	0.066
Document	ADMARIA2	0.623	0.033	-0.805	0.113	0.144	0.043
Document	ADMARIA3	0.677	0.033	-1.669	0.143	0.202	0.063
Document	ADBOTTL1	1.111	0.047	-1.468	0.070	0.194	0.043
Document	ADBOTTL2	1.031	0.043	-0.099	0.041	0.214	0.019
Document	ADBOTTL3	1.127	0.047	-1.751	0.074	0.166	0.048
Document	ADBOTTL4	0.954	0.035	-1.183	0.060	0.119	0.033
Document	ADBUSE1	0.990	0.028	-1.522	0.030	0.000	0.000
Document	ADBUSE2	0.935	0.022	-0.504	0.018	0.000	0.000
Document	ADBUSE3	0.765	0.023	1.283	0.033	0.000	0.000
Document	ADBUSE4	0.638	0.017	-0.070	0.022	0.000	0.000
Document	ADCONTE1	0.830	0.027	-2.033	0.048	0.000	0.000
Document	ADCONTE2	1.616	0.065	-1.703	0.042	0.108	0.032
Document	ADCONTE3	1.039	0.036	-1.416	0.051	0.085	0.029
Document	ADTEMPR1	0.620	0.036	-0.932	0.148	0.253	0.052
Document	ADTEMPR3	0.927	0.057	1.095	0.039	0.239	0.012
Document	ADTEMPR4	0.777	0.043	0.623	0.048	0.197	0.018

