

Supplementary Table 1. Correlation coefficients in the Gain Model from 1974 to 1994

	IIG1974-1994	RAY	MAI	POT	DEN	RES
IIG1974-1994	1.000					
RAY	-0.598**	1.000				
MAI	-0.660**	0.438**	1.000			
POT	-0.354**	0.331**	0.549**	1.000		
DEN	0.566**	-0.741**	-0.562**	-0.602**	1.000	
RES	0.103	-0.051	-0.403**	-0.806**	0.330**	1.000

Supplementary Table 2. Correlation coefficients in the Gain Model from 1994 to 2007

	IIG1994-2007	DZ	RAY	MAI	BLP	DEN	RES	POT
IIG1994-2007	1.000							
DZ	0.000	1.000						
RAY	-0.352**	0.395**	1.000					
MAI	-0.391**	0.102	0.090	1.000				
BLP	-0.070	0.059	0.033	-0.230**	1.000			
DEN	0.465**	-0.368**	-0.600**	-0.425**	0.054	1.000		
RES	0.208*	-0.222**	-0.075	-0.451**	0.373**	0.522**	1.000	
POT	-0.407**	0.344**	0.411**	0.529**	-0.346**	-0.810**	-0.793**	1.000

Supplementary Table 3. Correlation coefficients in the Gain Model from 2007 to 2013

	IIG2007- 2013	DZ	RAY	MAI	EXP	BLP	POT	DES	RES
IIG2007- 2013	1.000								
DZ	0.125*	1.000							
RAY	0.032	0.476**	1.000						
MAI	-0.530**	-0.135*	0.092	1.000					
EXP	-0.175**	0.074	0.029	0.082	1.000				
BLP	-0.201**	-0.292**	-0.208**	-0.153**	-0.030	1.000			
POT	0.016	0.331**	0.485**	0.421**	-0.105	-0.579**	1.000		
DES	0.246**	-0.147*	-0.510**	-0.425**	0.052	0.271**	-0.739**	1.000	
RES	-0.197**	-0.237**	-0.342**	-0.164**	0.124*	0.591**	-0.653**	0.313**	1.000

Supplementary Table 4. Correlation coefficients in the Gain Model from 2013 to 2019

	IIG2013- 2019	DZ	EXP	MAI	RAY	BLP	POT	DEN	RES
IIG2013- 2019	1.000								
DZ	0.497**	1.000							
EXP	-0.127*	-0.081	1.000						
MAI	-0.392**	-0.177**	-0.068	1.000					
RAY	-0.005	0.121	0.007	0.145*	1.000				
BLP	-0.484**	-0.356**	-0.103	0.088	0.076	1.000			
POT	0.091	0.099	-0.143*	0.154*	0.310**	-0.101	1.000		
DEN	0.432**	0.268**	0.054	-0.446**	-0.340**	-0.311**	-0.332**	1.000	
RES	-0.296**	-0.378**	0.098	-0.173**	-0.198**	0.558**	-0.373**	0.060	1.000

Supplementary Table 5. Correlation coefficients in the Loss Model from 1974 to 1994

	IIL1974-1994	RAY	MAI	POT	DEN	RES	BLP
IIL1974-1994	1.000						
RAY	0.312**	1.000					
MAI	-0.436**	-0.409**	1.000				
POT	-0.203*	-0.272**	0.242**	1.000			
DEN	-0.366**	-0.767**	0.449**	0.289**	1.000		
RES	0.306**	0.640**	-0.377**	0-.650**	-0.706**	1.000	
BLP ²	0.244**	0.413**	-0.347**	-0.704**	-0.483**	0.711**	1.000

Supplementary Table 6. Correlation coefficients in the Loss Model from 1994 to 2007

	IIL1994-2007	DZ	RAY	MAI	EXP	PVIR	PVIB	POT	DES	RES
IIL1994-2007	1.000									
DZ	-0.027	1.000								
RAY	0.349**	0.272**	1.000							
MAI	-0.191*	-0.260**	-0.330**	1.000						
EXP	0.172*	-0.262**	-0.359**	-0.026	1.000					
PVIR	0.576**	0.082	0.511**	-0.206*	0.202*	1.000				
PVIB	0.572**	0.076	0.523**	-0.217**	0.196*	0.995**	1.000			
POT	-0.242**	0.107	-0.142	0.067	-0.388**	-0.529**	-0.538**	1.000		
DES	-0.507**	-0.036	-0.718**	0.270**	-0.006	-0.636**	-0.650**	0.299**	1.000	
RES	0.356**	-0.113	0.216*	-0.289**	0.437**	0.535**	0.541**	-0.658**	-0.413**	1.000

Supplementary Table 7. Correlation coefficients in the Loss Model from 2007 to 2013

	IIL2007- 2013	DZ	EXP	MAI	RAY	POT	DEN	RES	PVIR	PVIB
IIL2007- 2013	1.000									
DZ	-0.157**	1.000								
EXP	0.050	-0.285**	1.000							
MAI	-0.181**	-0.071	-0.021	1.000						
RAY	0.029	0.434**	-0.506**	-0.075	1.000					
POT	-0.164**	0.152**	-0.271**	0.152**	0.184**	1.000				
DEN	-0.452**	0.204**	-0.035	0.226**	-0.239**	0.064	1.000			
RES	0.843**	-0.264**	0.206**	-0.244**	-0.117*	-0.396**	-0.505**	1.000		
PVIR	0.313**	-0.113*	0.380**	-0.214**	-0.058	-0.606**	-0.367**	0.549**	1.000	
PVIB	0.312**	-0.002	0.268**	-0.293**	0.042	-0.551**	-0.394**	0.517**	0.822**	1.000

Supplementary Table 8. Correlation coefficients in the Loss Model from 2013 to 2019

	IIL2013- 2019	DZ	EXP	MAI	RAY	POT	DEN	RES	PVIR	PVIB
IIL2013- 2019	1.000									
DZ	-0.327**	1.000								
EXP	0.220**	-0.331**	1.000							
MAI	-0.172**	-0.187**	-0.023	1.000						
RAY	-0.225**	0.614**	-0.409**	-0.096*	1.000					
POT	-0.279**	0.299**	-0.245**	0.124**	0.489**	1.000				
DEN	-0.521**	0.450**	-0.210**	0.133**	0.241**	0.180**	1.000			
RES	0.774**	-0.434**	0.238**	-0.220**	-0.420**	-0.464**	-0.624**	1.000		
PVIR	0.196**	-0.020	0.069	-0.165**	-0.292**	-0.514**	-0.232**	0.352**	1.000	
PVIB	0.132**	-0.196**	0.197**	-0.130**	-0.341**	-0.540**	-0.251**	0.415**	0.685**	1.000

