

## Social Problem Solving Scale

*Grade 1 /Year 2*

### **Fast Track Project Technical Report**

**Anne Corrigan**

**January 16, 2003**

#### **Table of Contents**

- I. Scale Description
- II. Report Sample
- III. Scaling
- IV. Differences Between Groups
- V. Recommendations for Use
- VI. Item and Scale Means and SD's
- VII. Item and Scale Correlations

#### **Citation**

##### *Instrument*

Conduct Problems Prevention Research Group (CPPRG). (1991). *Social Problem Solving Scale*. Available from the Fast Track Project Web site, <http://www.fasttrackproject.org>

##### *Reports*

Corrigan, A. (2003). *Social Problem Solving Scale, Grade 1 /Year 2* (Fast Track Project Technical Report). Available from the Fast Track Project Web site, <http://www.fasttrackproject.org>

#### **Data Sources**

*Unscored:* C2B

*Scored:* SPS2

#### **I. Scale Description**

The Social Problem Solving Scale assesses the way a child resolves problems encountered in typical social settings with other children. The Social Problem Solving Scale contains eight drawings of social situations with children. An interviewer elicits information from the child that expresses how the child would interact with the children in each picture. The interviewer records a code for the child's response. The code represents one of six response categories.

The drawings depict two types of social situations. Four of the situations show a solitary child who would like to join in an activity with other children; for example, playing on a jungle gym, or joining in a game of tag. In these situations the child's task is to *solicit social involvement*. The other four drawings show a child who is being teased or frustrated by another child; for example, the other child will not share a swing, or the other child pushes a child out of a line. In these situations the respondent's task is to *resolve a social conflict*. The drawings use stick figures so that race and gender are neutral.

The interviewer reads a script describing each social situation, and asks the respondent to take the role of one of the children in the drawing. The interviewer prompts the child for three responses to each situation. Following is an example of an interview.

### Sample Interview for a Social Problem Solving Picture

Drawing: Several children playing on a jungle gym. Another child stands apart from those playing on the gym, looking at those playing.

Interviewer: "Pretend that this is YOU..." [Interviewer points to solitary child]  
"...and that this is COLLEEN/JOSH" [interviewer points to one of the children on the jungle gym]. "COLLEEN/JOSH and some other kids are playing on the jungle gym at school. YOU would like to play with COLLEEN/JOSH and the other kids, but they haven't asked you. What could YOU say or do to get to play with COLLEEN/JOSH and the other kids?"

After the child answers, the interviewer prompts for two more responses:

Prompt 1:

"What's another thing you could do or say so that YOU could get to play with COLLEEN/JOSH and the other kids?"

Prompt 2:

"Can you think of anything else that YOU could do or say so that YOU could get to play with COLLEEN/JOSH and the other kids?"

Interviewers probe for more information in cases where the child says he/she would seek out an adult. Responses that involve an adult must be clarified to determine how to categorize them. Similarly, interviewers probe for clarification when the response is vague; for example: "I'd be nice," or "I'd be mad".

#### Incomplete and vague responses

If the child gives fewer than three answers, the interviewer repeats Prompt 2. If the child again fails to give a valid answer, the interviewer enters a code indicating that the child did not provide further novel responses. If the child repeats a previous answer verbatim, the interviewer does not record the verbatim response and repeats Prompt 1. If the child again repeats a previous response, the interviewer proceeds to the next picture in the series without recording any of the repeated responses.

A similar situation occurs when the child gives the same response worded in different ways. For example, the child may say "I'd be nice," followed by "I'd be really nice" as the next response. After two such answers, the interviewer attempts to elicit a different response, using a comment such as: "Well, being nice is one thing you could do, what's something different you could say or do?" If the child gives a different response, the interviewer records it. If the child again gives the same response, the interviewer codes the multiple, repeated responses as one response, and proceeds to the next picture in the series.

#### Scoring

Scoring for the Social Problem Solving Scale is conducted as follows:

1. The interviewer assigns the code for a response category to each verbal response for each picture. The categories and codes are: Aggressive (0), Competent (1), Authority-Punish (2), Authority-Intervene (3), Passive/Inept (4), Irrelevant/Other (5). (Detailed descriptions of each category are in the table below.) If a response fits more than one category, it is assigned to the category with the lowest code number.

### Social Problem Solving Scale Response Categories

Code	Category	Description
0	Aggressive	All forms of physical or verbal aggression, also threats of any kind.
1	Competent	All responses that suggest a direct, socially appropriate way of handling the situation. Some forms that competent responses can take are: asking, making deals, bribing, assertively telling, sharing, trading, and joining in.
2	Authority-Punish	Appeals to some authority figure to punish the provocateur in some way. Authority figures include parents, teachers, other school personnel, and older relatives.
3	Authority-Intervene	Appeals to authority figures to intervene on the child's behalf, rather than punishing the provocateur.
4	Passive/Inept	Passive or nonassertive responses to the depicted situation.
5	Irrelevant/Other	Nonsense responses and other answers that do not fit into the other categories
6	Unable to Provide Further Responses	The child has been issued both prompts and cannot come up with a novel response.

2. The total number of valid responses for each picture is calculated. A valid response is a response that can be assigned to a category. Inept or irrelevant responses are valid. Repetitive responses are an example of invalid responses.
3. The percent of responses in each category for each picture is calculated by dividing the number of responses in each category by the total number of valid responses. This calculation yields *Picture response percentages*.
4. The mean of each response category percentage over the eight pictures is calculated to yield *Mean-percentages across pictures*.

#### II. Report Sample

This report contains data collected on Cohort 1, Year 2. The data include a high-risk control sample (n=155) and a normative sample (n = 387) for a total N = 463, including overlap. Of the 463 subjects, 33 are missing coded responses for all pictures, including 25 from the normative group (3 from Durham, 12 from Washington, 3 from Pennsylvania, and 7 from Nashville), and 8 from the control group (4 from Durham and 4 from Washington), with overlap between the normative and control groups. None of these measures was used in the analyses.

#### III. Scaling

For each response category, the alpha coefficients for *picture response percentages* are in the tables below.

	Normative Sample	Control Sample
<b>Aggressive</b>	0.69	0.73
<b>Competent</b>	0.65	0.66
<b>Authority- Punish</b>	0.52	0.66
<b>Authority-Intervene</b>	0.53	0.56
<b>Passive/Inept</b>	0.58	0.57
<b>Irrelevant/Other</b>	0.51	0.60

#### IV. Differences Between Groups

T-tests of means of the *mean percentages across pictures* between the normative and control samples yielded the following results:

	Normative Sample		Control Sample		DF	t Value	Pr >  t
	Mean	SD	Mean	SD			
<b>Aggressive</b>	0.13	0.13	0.15	0.14	429	1.83	0.0679
<b>Competent</b>	0.72	0.16	0.65	0.17	429	-4.48	<.0001
<b>Authority/ Punish</b>	0.04	0.06	0.06	0.09	429	3.24	0.0013
<b>Authority/Intervene</b>	0.05	0.07	0.06	0.07	429	1.41	0.1579
<b>Passive/Inept</b>	0.05	0.07	0.06	0.08	429	1.64	0.1021
<b>Irrelevant/Other</b>	0.01	0.02	0.01	0.03	429	0.76	0.4504

#### V. Recommendations for Use

T-tests of mean percentages across pictures (MPAs) show a significant difference between the normative and control groups for the Competent category and for the Authority/Punish category. Coefficient alphas are modest among the six categories. However, given that multiple interviewers administered the measure for year 2, and that the category assigned to each response is subject to the interviewer's judgment and interpretation, modest alphas are not surprising.

For the control sample, except for the Competent category, the distribution of each mean percentage across pictures is positively skewed, and kurtosis is high (between 6.0 and 25.1, except for Aggression). For the normative sample, the distribution of MPAs is positively skewed with high kurtosis (between 5.2 and 35.2) for all categories, also except for the Competent category. Several categories show high frequencies of zero MPA. In the Irrelevant category, 90% of MPAs are zero in both the normative and control groups. In the control group, 40% of MPAs in the Passive category are zero; and 44% in the Authority/Punitive category. In the normative group, 41% of the Intervention MPAs, 47% of the Passive MPAs, and 55% of Authority/Punish MPAs are zero.

As an estimate of difficulty, the mean number of responses per picture for the combined normative and control groups is in the table below. None of the eight pictures stands out as unusually difficult, compared to the other pictures.

Variable	Label	Mean	N	Minimum	Maximum
sps2NT1	Mean number of responses, Picture 1	2.78	431	1.00	3.00
sps2NT2	Mean number of responses, Picture 2	2.78	426	1.00	3.00
sps2NT3	Mean number of responses, Picture 3	2.77	429	1.00	3.00
sps2NT4	Mean number of responses, Picture 4	2.74	430	1.00	3.00
sps2NT5	Mean number of responses, Picture 5	2.77	431	1.00	3.00
sps2NT6	Mean number of responses, Picture 6	2.67	430	1.00	3.00
sps2NT7	Mean number of responses, Picture 7	2.81	428	1.00	3.00
sps2NT8	Mean number of responses, Picture 8	2.71	429	1.00	3.00

**VI, Item and Scale Means and SDs**

**Means and Standard Deviations  
Mean Percentages Across Pictures  
Cohort 1, Year 2, Normative Sample**

Variable	Label	Mean	N	Std Dev	Minimum	Maximum
sps2MPA	Aggression Across Pictures-Normative	0.13	362	0.13	0.00	0.92
sps2MPC	Competence Across Pictures-Normative	0.72	362	0.16	0.08	1.00
sps2MPI	Authority-Intervene Across Pictures-Normative	0.05	362	0.07	0.00	0.46
sps2MPR	Irrelevant Across Pictures-Normative	0.01	362	0.02	0.00	0.21
sps2MPP	Passive-Inept Across Pictures-Normative	0.05	362	0.07	0.00	0.46
sps2MPU	Authority-Punish Across Pictures-Normative	0.04	362	0.07	0.00	0.50

**Means and Standard Deviations  
Mean percentages Across Pictures  
Cohort 1, Year 2, Control Sample**

Variable	Label	Mean	N	Std Dev	Minimum	Maximum
sps2MPA	Aggression Across Pictures-Control	0.15	147	0.14	0.00	0.69
sps2MPC	Competence Across Pictures-Control	0.65	147	0.17	0.23	1.00
sps2MPI	Authority-Intervene Across Pictures-Control	0.06	147	0.07	0.00	0.58
sps2MPR	Irrelevant Across Pictures-Control	0.01	147	0.03	0.00	0.21
sps2MPP	Passive-Inept Across Pictures-Control	0.06	147	0.08	0.00	0.52
sps2MPU	Authority-Punish Across Pictures-Control	0.06	147	0.09	0.00	0.50

**VII. Item and Subscale Correlations**

**Correlations  
Mean Percentages Across Pictures  
Combined Normative and Control Sample, Year 2**

Pearson Correlation Coefficients, N = 431 Prob >  r  under H0: Rho=0						
	sps2MPA	sps2MPC	Sps2MPI	Sps2MPR	sps2MPP	sps2MPU
sps2MPA Mean pct of Aggressive resps all pics	1.000	-0.647 0.000	-0.184 0.000	-0.102 0.035	-0.130 0.007	-0.033 0.499
sps2MPC Mean pct of Competent resps all pics	-0.647 0.000	1.000	-0.274 0.000	-0.104 0.031	-0.365 0.000	-0.386 0.000
sps2MPI Mean pct of Intervention resps all pics	-0.184 0.000	-0.274 0.000	1.000	0.079 0.100	0.034 0.476	-0.070 0.147
sps2MPR Mean pct of Irrelevant resps all pics	-0.102 0.035	-0.104 0.031	0.079 0.100	1.000	-0.015 0.763	0.028 0.559
sps2MPP Mean pct of Passive resps all pics	-0.130 0.007	-0.365 0.000	0.034 0.476	-0.015 0.763	1.000	-0.014 0.777
sps2MPU Mean pct of Punitive resps all pics	-0.033 0.499	-0.386 0.000	-0.070 0.147	0.028 0.559	-0.014 0.777	1.000

**Correlations**  
**Picture Response Percentages.**  
**Combined Normative and Control Samples, Year 2**

	Pearson Correlation Coefficients, N = 421 Prob >  r  under H0: Rho=0															
	sps2pa1	sps2pc1	sps2pu1	sps2pi1	sps2pp1	sps2pr1	Sps2pa2	Sps2pc2	sps2pu2	sps2pi2	sps2pp2	sps2pr2	sps2pa3	sps2pc3	sps2pu3	sps2pi3
sps2PA1 Pct Agg resps to pic I	1.000	-0.570	0.009	-0.117	-0.108	-0.042	0.243	-0.189	0.059	0.113	-0.018	-0.034	0.299	-0.204	0.000	-0.058
		0.000	0.861	0.016	0.027	0.386	0.000	0.000	0.230	0.020	0.715	0.485	0.000	0.000	0.993	0.235
sps2PC1 Pct Com resps to pic I	-0.570	1.000	-0.401	-0.401	-0.386	-0.088	-0.173	0.211	-0.057	-0.042	-0.117	-0.040	-0.149	0.235	-0.085	-0.039
	0.000		0.000	0.000	0.000	0.071	0.000	0.000	0.247	0.389	0.016	0.408	0.002	0.000	0.081	0.428
sps2PU1 Pct Pun resps to pic I	0.009	-0.401	1.000	0.013	-0.072	-0.033	0.078	-0.135	0.048	-0.043	0.140	0.053	0.010	-0.143	0.162	0.029
	0.861	0.000		0.793	0.140	0.499	0.110	0.006	0.322	0.378	0.004	0.282	0.831	0.003	0.001	0.551
sps2PI1 Pct Int resps to pic I	-0.117	-0.401	0.013	1.000	-0.079	-0.036	-0.013	-0.007	0.032	-0.003	-0.012	0.043	-0.065	-0.077	0.046	0.099
	0.016	0.000	0.793		0.103	0.466	0.797	0.892	0.511	0.948	0.805	0.374	0.184	0.116	0.342	0.042
sps2PP1 Pct Pas resps to pic I	-0.108	-0.386	-0.072	-0.079	1.000	-0.021	-0.033	-0.037	-0.037	-0.024	0.150	-0.012	-0.021	0.011	-0.023	0.006
	0.027	0.000	0.140	0.103		0.670	0.502	0.453	0.448	0.627	0.002	0.808	0.668	0.819	0.642	0.897
sps2PR1 Pct Irr resps to pic I	-0.042	-0.088	-0.033	-0.036	-0.021	1.000	-0.027	0.011	-0.012	-0.020	-0.030	0.154	-0.103	0.014	0.016	0.067
	0.386	0.071	0.499	0.466	0.670		0.578	0.828	0.807	0.680	0.534	0.002	0.034	0.780	0.740	0.172
sps2PA2 Pct Agg resps to pic J	0.243	-0.173	0.078	-0.013	-0.033	-0.027	1.000	-0.618	0.073	0.087	-0.032	-0.026	0.217	-0.145	0.039	-0.074
	0.000	0.000	0.110	0.797	0.502	0.578		0.000	0.137	0.075	0.516	0.596	0.000	0.003	0.430	0.128
sps2PC2 Pct Com resps to pic J	-0.189	0.211	-0.135	-0.007	-0.037	0.011	-0.618	1.000	-0.398	-0.421	-0.520	-0.209	-0.164	0.217	-0.103	0.033
	0.000	0.000	0.006	0.892	0.453	0.828	0.000		0.000	0.000	0.000	0.000	0.001	0.000	0.035	0.496
sps2PU2 Pct Pun resps to pic J	0.059	-0.057	0.048	0.032	-0.037	-0.012	0.073	-0.398	1.000	-0.016	-0.023	-0.011	0.007	-0.108	0.217	-0.070
	0.230	0.247	0.322	0.511	0.448	0.807	0.137	0.000		0.750	0.631	0.816	0.893	0.027	0.000	0.150
sps2PI2 Pct Int resps to pic J	0.113	-0.042	-0.043	-0.003	-0.024	-0.020	0.087	-0.421	-0.016	1.000	-0.007	-0.019	0.041	-0.112	-0.003	0.103
	0.020	0.389	0.378	0.948	0.627	0.680	0.075	0.000	0.750		0.886	0.694	0.406	0.022	0.954	0.035
sps2PP2 Pct Pas resps to pic J	-0.018	-0.117	0.140	-0.012	0.150	-0.030	-0.032	-0.520	-0.023	-0.007	1.000	0.028	0.034	-0.068	0.007	-0.030
	0.715	0.016	0.004	0.805	0.002	0.534	0.516	0.000	0.631	0.886		0.569	0.480	0.164	0.881	0.533
sps2PR2 Pct Irr resps to pic J	-0.034	-0.040	0.053	0.043	-0.012	0.154	-0.026	-0.209	-0.011	-0.019	0.028	1.000	0.007	-0.056	-0.020	0.061
	0.485	0.408	0.282	0.374	0.808	0.002	0.596	0.000	0.816	0.694	0.569		0.887	0.255	0.685	0.215
sps2PA3 Pct Agg resps to pic K	0.299	-0.149	0.010	-0.065	-0.021	-0.103	0.217	-0.164	0.007	0.041	0.034	0.007	1.000	-0.564	-0.160	-0.175
	0.000	0.002	0.831	0.184	0.668	0.034	0.000	0.001	0.893	0.406	0.480	0.887		0.000	0.001	0.000

Pearson Correlation Coefficients, N = 421																
Prob >  r  under H0: Rho=0																
	sps2pa1	sps2pc1	sps2pu1	sps2pi1	sps2pp1	sps2pr1	Sps2pa2	Sps2pc2	sps2pu2	sps2pi2	sps2pp2	sps2pr2	sps2pa3	sps2pc3	sps2pu3	sps2pi3
sps2PC3 Pct Com resps to pic K	-0.204 0.000	0.235 0.000	-0.143 0.003	-0.077 0.116	0.011 0.819	0.014 0.780	-0.145 0.003	0.217 0.000	-0.108 0.027	-0.112 0.022	-0.068 0.164	-0.056 0.255	-0.564 0.000	1.000	-0.363 0.000	-0.282 0.000
sps2PU3 Pct Pun resps to pic K	0.000 0.993	-0.085 0.081	0.162 0.001	0.046 0.342	-0.023 0.642	0.016 0.740	0.039 0.430	-0.103 0.035	0.217 0.000	-0.003 0.954	0.007 0.881	-0.020 0.685	-0.160 0.001	-0.363 0.000	1.000	-0.320 0.000
sps2PI3 Pct Int resps to pic K	-0.058 0.235	-0.039 0.428	0.029 0.551	0.099 0.042	0.006 0.897	0.067 0.172	-0.074 0.128	0.033 0.496	-0.070 0.150	0.103 0.035	-0.030 0.533	0.061 0.215	-0.175 0.000	-0.282 0.000	-0.320 0.000	1.000
sps2PP3 Pct Pas resps to pic K	-0.019 0.701	-0.040 0.408	0.000 0.992	0.017 0.727	0.082 0.093	0.002 0.970	-0.054 0.272	-0.048 0.321	-0.033 0.501	0.016 0.745	0.174 0.000	-0.040 0.407	-0.151 0.002	-0.159 0.001	-0.092 0.059	0.055 0.264
sps2PR3 Pct Irr resps to pic K	-0.059 0.227	-0.033 0.502	-0.031 0.529	0.175 0.000	-0.045 0.361	0.119 0.014	-0.025 0.605	-0.035 0.471	-0.011 0.820	0.045 0.357	-0.028 0.563	0.236 0.000	-0.096 0.049	-0.082 0.094	-0.009 0.855	0.032 0.509
sps2PA4 Pct Agg resps to pic L	0.442 0.000	-0.231 0.000	-0.018 0.709	-0.041 0.399	-0.074 0.132	-0.036 0.464	0.409 0.000	-0.249 0.000	0.040 0.408	0.087 0.075	-0.054 0.265	-0.034 0.486	0.379 0.000	-0.244 0.000	-0.059 0.230	-0.055 0.261
sps2PC4 Pct Com resps to pic L	-0.234 0.000	0.208 0.000	-0.034 0.483	-0.013 0.788	-0.066 0.176	0.072 0.140	-0.238 0.000	0.264 0.000	-0.095 0.050	-0.089 0.067	-0.110 0.024	0.020 0.690	-0.192 0.000	0.269 0.000	-0.035 0.468	-0.044 0.364
sps2PU4 Pct Pun resps to pic L	-0.048 0.328	-0.050 0.305	0.226 0.000	0.031 0.522	-0.053 0.280	-0.017 0.728	0.014 0.767	-0.166 0.001	0.431 0.000	-0.022 0.650	0.014 0.776	-0.016 0.741	-0.017 0.729	-0.101 0.039	0.166 0.001	-0.030 0.542
sps2PI4 Pct Int resps to pic L	-0.006 0.907	-0.044 0.366	0.041 0.401	0.079 0.106	-0.011 0.821	-0.032 0.514	-0.010 0.839	0.018 0.708	0.011 0.825	0.028 0.568	-0.063 0.200	0.030 0.538	-0.033 0.502	-0.120 0.014	0.090 0.066	0.107 0.028
sps2PP4 Pct Pas resps to pic L	-0.030 0.534	-0.068 0.163	-0.029 0.548	-0.015 0.752	0.219 0.000	-0.046 0.342	-0.023 0.644	-0.111 0.023	-0.036 0.463	0.006 0.900	0.250 0.000	-0.006 0.910	-0.043 0.377	-0.057 0.242	0.003 0.944	0.067 0.172
sps2PR4 Pct Irr resps to pic L	-0.063 0.194	0.047 0.338	0.001 0.989	0.048 0.328	-0.048 0.325	-0.015 0.751	-0.027 0.578	-0.039 0.425	-0.012 0.807	0.109 0.026	0.038 0.437	-0.015 0.763	-0.019 0.702	-0.037 0.446	-0.003 0.944	-0.001 0.986
sps2PA5 Pct Agg resps to pic M	0.183 0.000	-0.131 0.007	-0.013 0.793	-0.006 0.894	0.029 0.552	-0.020 0.686	0.225 0.000	-0.163 0.001	0.042 0.392	0.104 0.034	-0.030 0.545	-0.031 0.530	0.284 0.000	-0.262 0.000	0.031 0.528	-0.038 0.440
sps2PC5 Pct Com resps to pic M	-0.159 0.001	0.214 0.000	-0.142 0.003	-0.100 0.040	0.003 0.947	0.049 0.316	-0.177 0.000	0.225 0.000	-0.053 0.277	-0.122 0.012	-0.117 0.017	0.035 0.477	-0.213 0.000	0.312 0.000	-0.079 0.107	-0.044 0.363
sps2PU5 Pct Pun resps to pic M	0.092 0.060	-0.127 0.009	0.292 0.000	-0.012 0.800	-0.095 0.052	-0.031 0.531	0.085 0.081	-0.201 0.000	0.119 0.014	-0.040 0.414	0.237 0.000	-0.029 0.551	-0.005 0.922	-0.097 0.048	0.220 0.000	-0.070 0.152

Pearson Correlation Coefficients, N = 421																
Prob >  r  under H0: Rho=0																
	sps2pa1	sps2pc1	sps2pu1	sps2pi1	sps2pp1	sps2pr1	Sps2pa2	Sps2pc2	sps2pu2	sps2pi2	sps2pp2	sps2pr2	sps2pa3	sps2pc3	sps2pu3	sps2pi3
sps2PI5 Pct Int resps to pic M	-0.041 0.404	-0.039 0.428	-0.022 0.648	0.205 0.000	-0.058 0.232	0.001 0.980	-0.048 0.328	-0.001 0.980	-0.029 0.551	0.118 0.016	-0.015 0.759	0.013 0.797	-0.086 0.079	-0.054 0.268	-0.028 0.572	0.204 0.000
sps2PP5 Pct Pas resps to pic M	-0.018 0.719	-0.114 0.019	0.173 0.000	0.062 0.208	0.048 0.327	-0.042 0.393	-0.041 0.400	-0.064 0.190	-0.010 0.834	-0.011 0.818	0.177 0.000	-0.002 0.965	0.023 0.641	-0.077 0.115	0.007 0.878	0.047 0.339
sps2PR5 Pct Irr resps to pic M	-0.022 0.657	0.030 0.545	-0.043 0.378	0.024 0.617	-0.010 0.834	-0.020 0.680	-0.035 0.468	0.038 0.431	-0.016 0.750	0.036 0.463	-0.040 0.418	-0.019 0.694	-0.069 0.155	0.003 0.951	-0.037 0.444	0.001 0.987
sps2PA6 Pct Agg resps to pic N	0.169 0.001	-0.050 0.310	-0.012 0.812	-0.066 0.173	-0.039 0.421	-0.039 0.423	0.379 0.000	-0.227 0.000	0.017 0.736	-0.005 0.915	-0.004 0.936	0.023 0.644	0.210 0.000	-0.104 0.033	0.006 0.904	-0.094 0.055
sps2PC6 Pct Com resps to pic N	-0.053 0.282	0.134 0.006	-0.022 0.653	-0.023 0.639	-0.156 0.001	0.050 0.305	-0.234 0.000	0.251 0.000	-0.044 0.366	-0.069 0.159	-0.129 0.008	-0.009 0.861	-0.043 0.376	0.125 0.011	-0.004 0.930	-0.063 0.200
sps2PU6 Pct Pun resps to pic N	0.073 0.134	-0.100 0.040	0.127 0.009	0.018 0.717	-0.021 0.664	-0.022 0.654	0.035 0.474	-0.140 0.004	0.238 0.000	0.096 0.049	-0.004 0.938	-0.021 0.670	-0.052 0.290	-0.080 0.102	0.058 0.233	0.060 0.220
sps2PI6 Pct Int resps to pic N	-0.089 0.067	0.017 0.720	-0.020 0.676	0.134 0.006	-0.024 0.630	-0.028 0.570	0.000 0.993	-0.060 0.216	-0.021 0.661	0.121 0.013	0.050 0.303	-0.026 0.589	-0.136 0.005	-0.004 0.943	-0.016 0.736	0.118 0.015
sps2PP6 Pct Pas resps to pic N	-0.052 0.283	-0.110 0.024	-0.004 0.931	0.006 0.907	0.273 0.000	-0.012 0.808	0.006 0.903	-0.103 0.035	-0.022 0.657	0.011 0.824	0.182 0.000	0.020 0.688	-0.025 0.603	-0.030 0.539	-0.034 0.486	0.068 0.163
sps2PR6 Pct Irr resps to pic N	0.004 0.939	-0.066 0.175	0.039 0.429	0.025 0.607	0.067 0.167	-0.015 0.752	-0.027 0.579	0.048 0.328	-0.012 0.807	-0.020 0.680	-0.030 0.535	-0.015 0.763	-0.013 0.784	-0.107 0.028	0.074 0.130	0.076 0.117
sps2PA7 Pct Agg resps to pic O	0.224 0.000	-0.038 0.436	0.010 0.839	-0.107 0.029	-0.103 0.035	-0.062 0.204	0.205 0.000	-0.086 0.078	0.064 0.189	-0.023 0.642	-0.064 0.188	-0.060 0.218	0.371 0.000	-0.188 0.000	0.065 0.186	-0.189 0.000
sps2PC7 Pct Com resps to pic O	-0.159 0.001	0.124 0.011	-0.109 0.025	-0.037 0.445	0.102 0.036	-0.009 0.854	-0.198 0.000	0.154 0.002	-0.099 0.043	-0.072 0.139	0.052 0.289	-0.009 0.852	-0.238 0.000	0.282 0.000	-0.183 0.000	0.045 0.359
sps2PU7 Pct Pun resps to pic O	0.007 0.890	-0.100 0.040	0.165 0.001	0.072 0.142	-0.044 0.366	0.062 0.207	0.039 0.426	-0.086 0.079	0.103 0.034	-0.001 0.981	0.012 0.807	0.083 0.091	-0.071 0.145	-0.174 0.000	0.268 0.000	0.016 0.746
sps2PI7 Pct Int resps to pic O	-0.047 0.338	-0.042 0.393	-0.024 0.628	0.173 0.000	-0.019 0.701	0.022 0.652	-0.026 0.599	-0.030 0.538	-0.045 0.362	0.191 0.000	-0.026 0.597	0.011 0.818	-0.108 0.026	-0.024 0.627	-0.072 0.139	0.261 0.000
sps2PP7 Pct Pas resps to pic O	-0.122 0.012	0.014 0.780	-0.007 0.883	0.038 0.432	0.110 0.024	-0.033 0.500	-0.031 0.523	-0.026 0.597	-0.025 0.602	-0.003 0.956	0.085 0.083	0.039 0.429	-0.054 0.272	0.061 0.212	-0.086 0.077	0.028 0.571



Pearson Correlation Coefficients, N = 421																
Prob >  r  under H0: Rho=0																
	sps2pa1	sps2pc1	sps2pu1	sps2pi1	sps2pp1	sps2pr1	Sps2pa2	Sps2pc2	sps2pu2	sps2pi2	sps2pp2	sps2pr2	sps2pa3	sps2pc3	sps2pu3	sps2pi3
sps2PR7 Pct Irr resps to pic O	-0.043 0.381	-0.018 0.716	0.030 0.536	-0.037 0.454	0.054 0.270	0.153 0.002	-0.027 0.584	0.047 0.335	-0.012 0.809	-0.020 0.684	-0.030 0.540	-0.015 0.766	-0.023 0.637	0.065 0.182	0.020 0.678	-0.090 0.066
sps2PA8 Pct Agg resps to pic P	0.219 0.000	-0.042 0.386	-0.040 0.409	-0.101 0.038	-0.059 0.228	-0.044 0.367	0.372 0.000	-0.200 0.000	0.008 0.872	0.014 0.768	-0.043 0.380	-0.006 0.899	0.269 0.000	-0.122 0.012	-0.081 0.099	-0.069 0.158
sps2PC8 Pct Com resps to pic P	-0.110 0.024	0.145 0.003	-0.110 0.024	0.021 0.662	-0.071 0.144	0.033 0.504	-0.294 0.000	0.279 0.000	-0.011 0.818	-0.034 0.490	-0.156 0.001	-0.029 0.560	-0.099 0.043	0.139 0.004	-0.032 0.515	0.010 0.838
sps2PU8 Pct Pun resps to pic P	0.005 0.917	-0.110 0.024	0.219 0.000	0.021 0.666	0.009 0.855	-0.024 0.621	0.142 0.003	-0.140 0.004	0.144 0.003	-0.031 0.519	0.037 0.449	-0.023 0.638	-0.020 0.678	-0.040 0.414	0.081 0.095	0.021 0.663
sps2PI8 Pct Int resps to pic P	-0.055 0.257	-0.008 0.867	0.042 0.387	0.052 0.283	0.010 0.836	-0.030 0.545	0.001 0.976	-0.048 0.325	-0.023 0.640	0.082 0.092	0.027 0.575	0.042 0.390	-0.123 0.011	-0.021 0.669	0.108 0.027	0.023 0.635
sps2PP8 Pct Pas resps to pic P	-0.017 0.729	-0.109 0.025	0.056 0.249	0.023 0.642	0.152 0.002	0.019 0.693	0.032 0.506	-0.145 0.003	-0.042 0.385	0.017 0.731	0.233 0.000	0.040 0.412	-0.025 0.616	-0.059 0.224	0.024 0.623	0.026 0.592
sps2PR8 Pct Irr resps to pic P	0.018 0.707	-0.022 0.649	0.074 0.132	0.009 0.856	-0.046 0.349	-0.015 0.763	-0.026 0.596	0.046 0.351	-0.011 0.816	-0.019 0.694	-0.029 0.554	-0.014 0.774	-0.025 0.614	-0.010 0.832	0.029 0.551	-0.002 0.960

Pearson Correlation Coefficients, N = 421																
Prob >  r  under H0: Rho=0																
	sps2pp3	sps2pr3	sps2pa4	sps2pc4	sps2pu4	sps2pi4	Sps2pp4	sps2pr4	sps2pa5	sps2pc5	sps2pu5	sps2pi5	sps2pp5	sps2pr5	sps2pa6	sps2pc6
sps2PA1 Pct Agg resps to pic I	-0.019 0.701	-0.059 0.227	0.442 0.000	-0.234 0.000	-0.048 0.328	-0.006 0.907	-0.030 0.534	-0.063 0.194	0.183 0.000	-0.159 0.001	0.092 0.060	-0.041 0.404	-0.018 0.719	-0.022 0.657	0.169 0.001	-0.053 0.282
sps2PC1 Pct Com resps to pic I	-0.040 0.408	-0.033 0.502	-0.231 0.000	0.208 0.000	-0.050 0.305	-0.044 0.366	-0.068 0.163	0.047 0.338	-0.131 0.007	0.214 0.000	-0.127 0.009	-0.039 0.428	-0.114 0.019	0.030 0.545	-0.050 0.310	0.134 0.006
sps2PU1 Pct Pun resps to pic I	0.000 0.992	-0.031 0.529	-0.018 0.709	-0.034 0.483	0.226 0.000	0.041 0.401	-0.029 0.548	0.001 0.989	-0.013 0.793	-0.142 0.003	0.292 0.000	-0.022 0.648	0.173 0.000	-0.043 0.378	-0.012 0.812	-0.022 0.653
sps2PI1 Pct Int resps to pic I	0.017 0.727	0.175 0.000	-0.041 0.399	-0.013 0.788	0.031 0.522	0.079 0.106	-0.015 0.752	0.048 0.328	-0.006 0.894	-0.100 0.040	-0.012 0.800	0.205 0.000	0.062 0.208	0.024 0.617	-0.066 0.173	-0.023 0.639
sps2PP1 Pct Pas resps to pic I	0.082 0.093	-0.045 0.361	-0.074 0.132	-0.066 0.176	-0.053 0.280	-0.011 0.821	0.219 0.000	-0.048 0.325	0.029 0.552	0.003 0.947	-0.095 0.052	-0.058 0.232	0.048 0.327	-0.010 0.834	-0.039 0.421	-0.156 0.001

Pearson Correlation Coefficients, N = 421																
Prob >  r  under H0: Rho=0																
	sps2pp3	sps2pr3	sps2pa4	sps2pc4	sps2pu4	sps2pi4	Sps2pp4	sps2pr4	sps2pa5	sps2pc5	sps2pu5	sps2pi5	sps2pp5	sps2pr5	sps2pa6	sps2pc6
sps2PR1 Pct Irr resps to pic I	0.002 0.970	0.119 0.014	-0.036 0.464	0.072 0.140	-0.017 0.728	-0.032 0.514	-0.046 0.342	-0.015 0.751	-0.020 0.686	0.049 0.316	-0.031 0.531	0.001 0.980	-0.042 0.393	-0.020 0.680	-0.039 0.423	0.050 0.305
sps2PA2 Pct Agg resps to pic J	-0.054 0.272	-0.025 0.605	0.409 0.000	-0.238 0.000	0.014 0.767	-0.010 0.839	-0.023 0.644	-0.027 0.578	0.225 0.000	-0.177 0.000	0.085 0.081	-0.048 0.328	-0.041 0.400	-0.035 0.468	0.379 0.000	-0.234 0.000
sps2PC2 Pct Com resps to pic J	-0.048 0.321	-0.035 0.471	-0.249 0.000	0.264 0.000	-0.166 0.001	0.018 0.708	-0.111 0.023	-0.039 0.425	-0.163 0.001	0.225 0.000	-0.201 0.000	-0.001 0.980	-0.064 0.190	0.038 0.431	-0.227 0.000	0.251 0.000
sps2PU2 Pct Pun resps to pic J	-0.033 0.501	-0.011 0.820	0.040 0.408	-0.095 0.050	0.431 0.000	0.011 0.825	-0.036 0.463	-0.012 0.807	0.042 0.392	-0.053 0.277	0.119 0.014	-0.029 0.551	-0.010 0.834	-0.016 0.750	0.017 0.736	-0.044 0.366
sps2PI2 Pct Int resps to pic J	0.016 0.745	0.045 0.357	0.087 0.075	-0.089 0.067	-0.022 0.650	0.028 0.568	0.006 0.900	0.109 0.026	0.104 0.034	-0.122 0.012	-0.040 0.414	0.118 0.016	-0.011 0.818	0.036 0.463	-0.005 0.915	-0.069 0.159
sps2PP2 Pct Pas resps to pic J	0.174 0.000	-0.028 0.563	-0.054 0.265	-0.110 0.024	0.014 0.776	-0.063 0.200	0.250 0.000	0.038 0.437	-0.030 0.545	-0.117 0.017	0.237 0.000	-0.015 0.759	0.177 0.000	-0.040 0.418	-0.004 0.936	-0.129 0.008
sps2PR2 Pct Irr resps to pic J	-0.040 0.407	0.236 0.000	-0.034 0.486	0.020 0.690	-0.016 0.741	0.030 0.538	-0.006 0.910	-0.015 0.763	-0.031 0.530	0.035 0.477	-0.029 0.551	0.013 0.797	-0.002 0.965	-0.019 0.694	0.023 0.644	-0.009 0.861
sps2PA3 Pct Agg resps to pic K	-0.151 0.002	-0.096 0.049	0.379 0.000	-0.192 0.000	-0.017 0.729	-0.033 0.502	-0.043 0.377	-0.019 0.702	0.284 0.000	-0.213 0.000	-0.005 0.922	-0.086 0.079	0.023 0.641	-0.069 0.155	0.210 0.000	-0.043 0.376
sps2PC3 Pct Com resps to pic K	-0.159 0.001	-0.082 0.094	-0.244 0.000	0.269 0.000	-0.101 0.039	-0.120 0.014	-0.057 0.242	-0.037 0.446	-0.262 0.000	0.312 0.000	-0.097 0.048	-0.054 0.268	-0.077 0.115	0.003 0.951	-0.104 0.033	0.125 0.011
sps2PU3 Pct Pun resps to pic K	-0.092 0.059	-0.009 0.855	-0.059 0.230	-0.035 0.468	0.166 0.001	0.090 0.066	0.003 0.944	-0.003 0.944	0.031 0.528	-0.079 0.107	0.220 0.000	-0.028 0.572	0.007 0.878	-0.037 0.444	0.006 0.904	-0.004 0.930
sps2PI3 Pct Int resps to pic K	0.055 0.264	0.032 0.509	-0.055 0.261	-0.044 0.364	-0.030 0.542	0.107 0.028	0.067 0.172	-0.001 0.986	-0.038 0.440	-0.044 0.363	-0.070 0.152	0.204 0.000	0.047 0.339	0.001 0.987	-0.094 0.055	-0.063 0.200
sps2PP3 Pct Pas resps to pic K	1.000	-0.040 0.418	-0.022 0.655	-0.117 0.016	0.045 0.354	0.008 0.871	0.170 0.000	0.046 0.345	0.048 0.322	-0.085 0.082	-0.036 0.461	0.030 0.535	0.063 0.195	0.073 0.136	-0.044 0.363	-0.090 0.065
sps2PR3 Pct Irr resps to pic K	-0.040 0.418	1.000	0.028 0.564	-0.069 0.155	-0.016 0.746	0.066 0.174	-0.043 0.377	0.253 0.000	0.023 0.632	-0.091 0.062	-0.028 0.560	0.042 0.392	0.006 0.904	0.368 0.000	-0.036 0.457	-0.088 0.072
sps2PA4 Pct Agg resps to pic L	-0.022 0.655	0.028 0.564	1.000	-0.608 0.000	0.025 0.606	-0.023 0.631	-0.032 0.508	-0.005 0.924	0.264 0.000	-0.211 0.000	-0.071 0.147	-0.034 0.493	0.018 0.713	0.043 0.376	0.340 0.000	-0.185 0.000

Pearson Correlation Coefficients, N = 421																
Prob >  r  under H0: Rho=0																
	sps2pp3	sps2pr3	sps2pa4	sps2pc4	sps2pu4	sps2pi4	Sps2pp4	sps2pr4	sps2pa5	sps2pc5	sps2pu5	sps2pi5	sps2pp5	sps2pr5	sps2pa6	sps2pc6
sps2PC4 Pct Com resps to pic L	-0.117 0.016	-0.069 0.155	-0.608 0.000	1.000	-0.217 0.000	-0.390 0.000	-0.575 0.000	-0.209 0.000	-0.140 0.004	0.192 0.000	0.036 0.467	-0.035 0.474	-0.103 0.035	-0.115 0.018	-0.164 0.001	0.280 0.000
sps2PU4 Pct Pun resps to pic L	0.045 0.354	-0.016 0.746	0.025 0.606	-0.217 0.000	1.000	0.066 0.178	-0.051 0.297	-0.017 0.728	0.025 0.610	-0.113 0.021	0.169 0.000	-0.041 0.397	0.126 0.010	-0.022 0.650	-0.010 0.842	0.007 0.887
sps2PI4 Pct Int resps to pic L	0.008 0.871	0.066 0.174	-0.023 0.631	-0.390 0.000	0.066 0.178	1.000	-0.045 0.353	0.065 0.181	0.063 0.194	-0.109 0.025	0.042 0.387	0.200 0.000	-0.086 0.078	0.052 0.287	-0.029 0.556	-0.179 0.000
sps2PP4 Pct Pas resps to pic L	0.170 0.000	-0.043 0.377	-0.032 0.508	-0.575 0.000	-0.051 0.297	-0.045 0.353	1.000	-0.046 0.342	-0.079 0.104	0.019 0.698	-0.058 0.234	-0.039 0.420	0.171 0.000	-0.001 0.990	-0.046 0.351	-0.119 0.015
sps2PR4 Pct Irr resps to pic L	0.046 0.345	0.253 0.000	-0.005 0.924	-0.209 0.000	-0.017 0.728	0.065 0.181	-0.046 0.342	1.000	-0.036 0.457	-0.009 0.859	-0.031 0.531	0.040 0.411	-0.042 0.393	0.328 0.000	-0.039 0.423	-0.075 0.126
sps2PA5 Pct Agg resps to pic M	0.048 0.322	0.023 0.632	0.264 0.000	-0.140 0.004	0.025 0.610	0.063 0.194	-0.079 0.104	-0.036 0.457	1.000	-0.759 0.000	0.017 0.722	-0.113 0.021	-0.137 0.005	-0.038 0.437	0.236 0.000	-0.097 0.047
sps2PC5 Pct Com resps to pic M	-0.085 0.082	-0.091 0.062	-0.211 0.000	0.192 0.000	-0.113 0.021	-0.109 0.025	0.019 0.698	-0.009 0.859	-0.759 0.000	1.000	-0.260 0.000	-0.250 0.000	-0.322 0.000	-0.119 0.015	-0.156 0.001	0.234 0.000
sps2PU5 Pct Pun resps to pic M	-0.036 0.461	-0.028 0.560	-0.071 0.147	0.036 0.467	0.169 0.000	0.042 0.387	-0.058 0.234	-0.031 0.531	0.017 0.722	-0.260 0.000	1.000	-0.053 0.274	-0.050 0.308	-0.040 0.414	0.009 0.847	-0.005 0.913
sps2PI5 Pct Int resps to pic M	0.030 0.535	0.042 0.392	-0.034 0.493	-0.035 0.474	-0.041 0.397	0.200 0.000	-0.039 0.420	0.040 0.411	-0.113 0.021	-0.250 0.000	-0.053 0.274	1.000	-0.037 0.454	0.063 0.194	-0.095 0.051	-0.139 0.004
sps2PP5 Pct Pas resps to pic M	0.063 0.195	0.006 0.904	0.018 0.713	-0.103 0.035	0.126 0.010	-0.086 0.078	0.171 0.000	-0.042 0.393	-0.137 0.005	-0.322 0.000	-0.050 0.308	-0.037 0.454	1.000	-0.054 0.265	-0.014 0.769	-0.173 0.000
sps2PR5 Pct Irr resps to pic M	0.073 0.136	0.368 0.000	0.043 0.376	-0.115 0.018	-0.022 0.650	0.052 0.287	-0.001 0.990	0.328 0.000	-0.038 0.437	-0.119 0.015	-0.040 0.414	0.063 0.194	-0.054 0.265	1.000	-0.051 0.297	-0.087 0.075
sps2PA6 Pct Agg resps to pic N	-0.044 0.363	-0.036 0.457	0.340 0.000	-0.164 0.001	-0.010 0.842	-0.029 0.556	-0.046 0.351	-0.039 0.423	0.236 0.000	-0.156 0.001	0.009 0.847	-0.095 0.051	-0.014 0.769	-0.051 0.297	1.000	-0.562 0.000
sps2PC6 Pct Com resps to pic N	-0.090 0.065	-0.088 0.072	-0.185 0.000	0.280 0.000	0.007 0.887	-0.179 0.000	-0.119 0.015	-0.075 0.126	-0.097 0.047	0.234 0.000	-0.005 0.913	-0.139 0.004	-0.173 0.000	-0.087 0.075	-0.562 0.000	1.000
sps2PU6 Pct Pun resps to pic N	0.064 0.193	0.133 0.006	0.083 0.089	-0.101 0.038	0.056 0.249	0.038 0.433	0.014 0.769	0.056 0.255	0.040 0.412	-0.198 0.000	0.230 0.000	0.114 0.020	0.096 0.048	0.046 0.345	-0.000 0.995	-0.313 0.000

Pearson Correlation Coefficients, N = 421																
Prob >  r  under H0: Rho=0																
	sps2pp3	sps2pr3	sps2pa4	sps2pc4	sps2pu4	sps2pi4	Sps2pp4	sps2pr4	sps2pa5	sps2pc5	sps2pu5	sps2pi5	sps2pp5	sps2pr5	sps2pa6	sps2pc6
sps2PI6 Pct Int resps to pic N	0.134 0.006	0.077 0.116	-0.046 0.344	-0.075 0.125	-0.030 0.533	0.306 0.000	-0.047 0.332	0.076 0.120	-0.108 0.027	-0.055 0.256	-0.027 0.584	0.335 0.000	0.047 0.340	0.064 0.192	-0.052 0.290	-0.338 0.000
sps2PP6 Pct Pas resps to pic N	0.091 0.063	0.020 0.678	-0.043 0.377	-0.186 0.000	-0.001 0.990	0.105 0.031	0.258 0.000	0.032 0.514	-0.023 0.636	-0.111 0.023	-0.078 0.108	0.078 0.108	0.226 0.000	0.103 0.034	-0.027 0.585	-0.637 0.000
sps2PR6 Pct Irr resps to pic N	-0.042 0.385	0.175 0.000	0.030 0.536	-0.033 0.504	-0.017 0.728	0.020 0.687	-0.046 0.343	0.176 0.000	0.003 0.949	0.013 0.791	0.021 0.663	-0.038 0.441	-0.042 0.394	0.072 0.140	-0.005 0.917	-0.206 0.000
sps2PA7 Pct Agg resps to pic O	-0.117 0.017	-0.111 0.023	0.251 0.000	-0.097 0.048	0.036 0.465	-0.011 0.823	-0.098 0.045	-0.016 0.748	0.277 0.000	-0.179 0.000	0.053 0.281	-0.090 0.065	-0.080 0.101	-0.032 0.518	0.188 0.000	-0.024 0.625
sps2PC7 Pct Com resps to pic O	0.101 0.038	-0.027 0.578	-0.175 0.000	0.127 0.009	-0.104 0.032	-0.079 0.106	0.063 0.194	-0.012 0.799	-0.244 0.000	0.267 0.000	-0.132 0.007	-0.095 0.051	0.058 0.235	-0.054 0.266	-0.129 0.008	0.157 0.001
sps2PU7 Pct Pun resps to pic O	-0.006 0.900	0.179 0.000	-0.047 0.335	-0.010 0.843	0.174 0.000	-0.008 0.872	0.010 0.840	-0.001 0.980	0.063 0.200	-0.167 0.001	0.211 0.000	0.083 0.087	0.029 0.556	0.038 0.441	-0.035 0.468	-0.116 0.017
sps2PI7 Pct Int resps to pic O	-0.021 0.663	0.051 0.293	-0.033 0.505	-0.052 0.283	-0.063 0.195	0.167 0.001	0.022 0.659	0.022 0.652	-0.087 0.075	0.003 0.958	-0.085 0.081	0.209 0.000	0.020 0.681	0.066 0.179	-0.023 0.637	-0.077 0.117
sps2PP7 Pct Pas resps to pic O	0.110 0.024	-0.031 0.531	-0.057 0.245	-0.025 0.609	-0.036 0.459	0.053 0.275	0.085 0.080	-0.033 0.500	-0.032 0.509	0.046 0.352	-0.035 0.479	0.017 0.730	-0.014 0.782	-0.043 0.379	-0.063 0.195	-0.042 0.394
sps2PR7 Pct Irr resps to pic O	-0.001 0.990	-0.014 0.772	-0.035 0.471	0.034 0.483	-0.017 0.732	-0.031 0.521	-0.046 0.349	0.153 0.002	-0.070 0.149	0.019 0.691	-0.030 0.537	0.090 0.066	-0.041 0.400	0.223 0.000	-0.009 0.858	-0.047 0.333
sps2PA8 Pct Agg resps to pic P	0.006 0.902	-0.041 0.401	0.369 0.000	-0.168 0.001	-0.048 0.322	-0.013 0.784	-0.063 0.198	-0.044 0.367	0.227 0.000	-0.205 0.000	0.037 0.444	-0.021 0.673	-0.008 0.865	0.053 0.275	0.421 0.000	-0.242 0.000
sps2PC8 Pct Com resps to pic P	-0.091 0.063	-0.043 0.383	-0.235 0.000	0.303 0.000	0.030 0.540	-0.095 0.051	-0.185 0.000	-0.020 0.676	-0.139 0.004	0.258 0.000	-0.099 0.042	-0.074 0.132	-0.131 0.007	-0.110 0.024	-0.261 0.000	0.373 0.000
sps2PU8 Pct Pun resps to pic P	-0.039 0.425	-0.022 0.646	-0.017 0.721	-0.046 0.350	0.089 0.069	0.055 0.259	0.033 0.500	-0.024 0.621	0.029 0.550	-0.144 0.003	0.178 0.000	0.037 0.447	0.121 0.013	-0.031 0.519	0.038 0.440	-0.191 0.000
sps2PI8 Pct Int resps to pic P	0.057 0.241	0.084 0.086	-0.049 0.316	-0.121 0.013	-0.032 0.506	0.334 0.000	0.008 0.864	0.083 0.088	-0.030 0.534	-0.101 0.038	0.094 0.053	0.220 0.000	0.015 0.767	0.070 0.151	-0.035 0.477	-0.173 0.000

**Pearson Correlation Coefficients, N = 421**  
**Prob > |r| under H0: Rho=0**

	sps2pp3	sps2pr3	sps2pa4	sps2pc4	sps2pu4	sps2pi4	Sps2pp4	sps2pr4	sps2pa5	sps2pc5	sps2pu5	sps2pi5	sps2pp5	sps2pr5	sps2pa6	sps2pc6
sps2PP8	0.104	0.071	0.048	-0.204	-0.022	-0.020	0.295	-0.005	0.002	-0.074	-0.028	0.005	0.131	0.095	0.008	-0.164
Pct Pas resps to pic P	0.032	0.145	0.327	0.000	0.655	0.684	0.000	0.911	0.969	0.132	0.564	0.920	0.007	0.051	0.866	0.001
sps2PR8	0.042	-0.014	-0.034	-0.005	-0.016	-0.030	-0.006	0.210	-0.015	-0.006	0.062	0.013	-0.002	-0.019	-0.037	0.051
Pct Irr resps to pic P	0.386	0.779	0.486	0.918	0.741	0.535	0.910	0.000	0.757	0.909	0.203	0.797	0.965	0.694	0.446	0.295