Parent Daily Report: PDR – Child Behavior Items
Grade 3/Year 4
Fast Track Project Technical Report
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November 27, 2002

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Appendix
SAS scoring program

Citation

Instrument
        Chamberlain, P. & Reid, J. B. (1987). Parent observation and report of child symptoms. Behavioral Assessment, 9, 97-109.

Reports
        Rains, C. (2002). *Parent Daily Report: PDR—Child Behavior Items* (Fast Track Project Technical Report). Available from the Fast Track Project website: http://www.fasttrackproject.org

        Hurley, S.M. (2000). *Parent Daily Report – Child Behavior Items* (Fast Track Project Technical Report). Available from the Fast Track Project website: http://www.fasttrackproject.org

        Karns, A. (1997). Psychometric Properties of the Parent Daily Report: PDR – Child Behavior Items.

Data Sources

Raw: p4k

Scored: pdr4

I.   Scale Description

The PDR is a 30-item checklist of behavior problems developed at the Oregon Social Learning Center. Parents are asked to indicate the presence of each behavior problem (did or did not occur) during the past 24 hours. The first administration of the PDR took place during the summer interview with parents. Then, parents received several follow-up telephone calls from interview staff during the two weeks following the summer interview. During the first year of the project, four follow-up telephone calls were made to parents. After initial analyses suggested that it required only three reports to get a reliable estimate of child behavior problems, the number of follow-up telephone calls was reduced to two (in addition to one administration at the time of the interview). For all of the following analyses, parent's reports of their child's behavior were averaged across the first three administrations of the PDR.

Analysts should also note that other items were included on the measure but were excluded from this report. These items include several that were interspersed among the basic 30 items. These items were whether the child had played with his/her brother(s) or sister(s) (PxKP2A), whether the child had watched any television (PxKP3A), whether the child had told a joke (PxKP8A), whether the child had been in a happy mood (PxKP11A), whether the child had cooperated with the parent (PxKP13A), whether the child had come to the parent with a question (PxKP15A), whether the child had played a game with anyone (PxKP16A), whether the child had played inside (PxKP17A), whether the child had told the parent about something that had happened that day (PxKP20A), whether the child had played by him/herself (PxKP24A), and whether the child had played with any neighbor kids (PxKP26A).

There were also 25 other items not included in this report that appear at the end of the measure. These items appear on the measure for years 1 through 5 but are dropped during year 6. These questions were to be asked of the parent if there were more than 3 behaviors from the first 30 items. These final 25 items were to first have the parent identify the three most problematic behaviors and then to have the parent describe his/her responses to each of these behaviors (i.e. do nothing, ignore, physical punishment, etc.), the child's response to the parent's response (i.e. behavior stopped, behavior diminished, etc.), and how the parent felt about that episode of behavior and his/her interaction with the child (i.e. anger, guilt, satisfaction). Interviewers were to give the parent the opportunity to describe up to three responses for each of these identified behaviors. These items have never been used in any analyses so they were not included in this report.

Finally, in year 9 of administration, this measure underwent some revisions and most of the items were updated. Items PxKP1-5 were dropped entirely from the measure. New items included whether the child ate a meal with the parent (PxK6), how many hours the child had spent at home without an adult present (PxK7), whether the parent had talked with the child's friends' parents (PxK13), whether the child had used tobacco (PxK33), alcohol (PxK34), or drugs (PxK35), whether the child had participated in any positive social activities (PxK43), and how accurate the interviewer thought that the information was (PxK44). Several items were similar to the original version of the measure, such as whether the child had eating problems (now item PxK41) or whether the child seemed hyperactive (now item PxK42). This newer version was used for year 9 and every year thereafter in the study.

II. Report Sample

These exploratory analyses were conducted with the first cohort on the control sample (n=155) and on the normative sample (n=387 including overlap, total N=463) from the fourth year of the study. 51 records were missing responses for the entire measure. 16 were from the control sample (4 from Durham, 2 from Nashville, 2 from Pennsylvania, and 8 from Washington) and 43 were from the normative sample (7 from Durham, 12 from Nashville, 9 from Pennsylvania, and 15 from Washington). Some of these may represent overlap between samples.

It should also be noted that 84 records were missing responses to item MP4KP3 (fights with sibling). The instructions for this item stated that it was only to be asked if the child had a sibling.

III. Scaling

A factor analysis performed in 1994 identified 5 factors that represented 4 of the Fast Track theoretical constructs of child behavior problems: *Overt Aggression*, *Verbal Negativism and Non-Compliance (Oppositional Behavior)*, *Hyperactivity*, and *Depression*. There were also three higher-level subscales: *Covert Antisocial Behaviors*, *Overt Aggression and Oppositional Behavior (AggOpp)*, and *Overt Aggression and Hyperactivity (AggOppHyp)*. Items at this time were scored as either 0 = present or 1 = absent. In 1998, a new subscale was added, creating a total of four subscales. In addition, a decision was made to use reverse-scoring for all of the items so that 0 = absent and 1 = present. As a result, all of the scales were brought into line with other measures, where a high value for a score means a high

incidence of a behavior.

As noted earlier in the report, parent's reports of their child's behavior were averaged across the first three administrations of the Parent Daily Report. Therefore, each variable was labeled MPxKP, with the "M" indicating "mean." Then, for each subscale, the appropriate variables representing the mean score were summed to create a score for each subscale.

Hyperactivity included items MPxKP18-20. These included being too noisy in the house, running around too much, and being hyper or overactive.

Oppositional and Aggressive included items MPxKP3, MPxKP4, MPxKP6, MPxKP9, MPxKP11-16, and MPxKP22. These items included such things as fighting with a brother or a sister, acting aggressively, hitting someone, being verbally aggressive (whining, yelling, complaining), and pouting.

The *Covert Antisocial* subscale included items MPxPK21 and MPxPK23-29. These items included acting irritably, being in a bad mood about everything, throwing a temper tantrum, lying, arguing about things, having police contact, setting fires, and stealing.

Oppositional and Aggressive-revised was the result of combining most of the items for Oppositional and Aggressive and Covert Antisocial, and included the following items: MPxKP3, MPxKP4, MPxKP6, MPxKP9, MPxKP11-16, and MPxKP21, MPxKP24-29. Item MPxKP22 was dropped from this subscale.

Cronbach's alphas were calculated for each subscale and are shown in the table below:

Subscales	Cronbach's Alpha	
	Control Sample	Normative Sample
Oppositional+Aggressive-Revised (PDR4OAR)	.90	.89
Covert Antisocial (PDR4COA)	.78	.68
Oppositional+Aggressive (PDR4OAG)	.88	.87
Hyperactivity (PDR4HYP)	.81	.81

The reliability coefficients for internal consistency were adequate for all four of the subscales for both the normative and the control samples.

IV. Differences Between Groups

A series of t-tests comparing the high-risk control sample and the normative sample (including the overlap) indicated significant differences for all four of the subscales. Three items also indicated significant differences between the normative and control samples. These items were MP4KP10 (cries), MP4KP17 (competitive), and MP4KP30 (runs away).

Parent Daily Report--Subscales
The TTEST Procedure

Variable	Normative Sample		Control Sample		DF	t Value	Pr > |t|
	Mean	Std Dev	Mean	Std Dev			
Oppositional+ Aggressive-Rev'd (PDR4OAR)	0.15	0.14	0.24	0.20	410	5.08	<.0001
Covert Antisocial (PDR4COA)	0.06	0.08	0.11	0.15	410	5.12	<.0001
Oppositional+ Aggressive (PDR4OAG)	0.19	0.18	0.29	0.23	410	4.76	<.0001
Hyperactivity (PDR4HYP)	0.09	0.19	0.17	0.27	410	3.47	0.0006

Parent Daily Report--Items
The TTEST Procedure

Variable	Normative Sample		Control Sample		DF	t Value	Pr > |t|
	Mean	Std Dev	Mean	Std Dev			
Not eating (MP4KP1)	0.03	0.11	0.05	0.16	410	1.49	0.1360
Wets/Soils (MP4KP2)	0.03	0.13	0.03	0.13	410	0.31	0.7530
Destructive (MP4KP5)	0.01	0.08	0.03	0.14	410	1.63	0.1042
Sad (MP4KP7)	0.13	0.23	0.17	0.25	410	1.71	0.0885
Fearful (MP4KP8)	0.06	0.15	0.06	0.17	410	0.01	0.9941
Cries (MP4KP10)	0.16	0.25	0.24	0.32	410	2.58	0.0103
Competitive (MP4KP17)	0.07	0.18	0.15	0.28	410	3.58	0.0004
Runs Away (MP4KP30)	0.00	0.00	0.01	0.11	410	2.26	0.0242

V. Recommendations for Use

Analysts should note that two of the subscales were fairly normally distributed in the control sample. These were *Oppositional+Aggressive-Revised* and *Oppositional+Aggressive*. All of the other subscales were positively skewed. There appears to be a floor effect for the *Covert Antisocial* subscale in both the normative and control samples. For the subscale *Covert Antisocial*, the normative sample showed 45% of the responses to be zero and the control sample showed 34% of the responses to be zero. A floor effect can also be noted in the *Hyperactivity* subscale. 65% of the normative sample and 52% of the control sample in *Hyperactivity* were reporting responses to be zero.

VI. Scale Means and SD's

Parent Daily Report Items Year 4 Normative Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
MP4KP1	1. Not Eating	344	0.0242248	0.1005059	0	1.0000000
MP4KP2	2. Wets/Soils	344	0.0310078	0.1260181	0	1.0000000
MP4KP3	3. Fights w. Sib	317	0.3449001	0.3590395	0	1.0000000
MP4KP4	4. Aggressive	344	0.1414729	0.2617717	0	1.0000000
MP4KP5	5. Destructive	344	0.0145349	0.0923822	0	1.0000000
MP4KP6	6. Hits Others	344	0.1443798	0.2620360	0	1.0000000
MP4KP7	7. Sad	344	0.1269380	0.2227092	0	1.0000000
MP4KP8	8. Fearful	344	0.0581395	0.1543400	0	1.0000000
MP4KP9	9. Teases	344	0.2606589	0.3408522	0	1.0000000
MP4KP10	10. Cries	344	0.1695736	0.2557875	0	1.0000000
MP4KP11	11. Whines	344	0.2587209	0.3327325	0	1.0000000
MP4KP12	12. Complains	344	0.3352713	0.3670898	0	1.0000000
MP4KP13	13. Yells	344	0.2747093	0.3232737	0	1.0000000
MP4KP14	14. Noncompliant	344	0.1593992	0.2744884	0	1.0000000
MP4KP15	15. Defiant	344	0.0833333	0.1955117	0	1.0000000
MP4KP16	16. Talks Back Adult	344	0.1017442	0.2251232	0	1.0000000
MP4KP17	17. Competitive	344	0.0891473	0.2225506	0	1.0000000
MP4KP18	18. Noisy	344	0.1075581	0.2354844	0	1.0000000
MP4KP19	19. Runs Around	344	0.1099806	0.2379602	0	1.0000000
MP4KP20	20. Hyperactive	344	0.1002907	0.2448761	0	1.0000000
MP4KP21	21. Irritable	344	0.1225775	0.2459466	0	1.0000000
MP4KP22	22. Pouts	344	0.1739341	0.2636531	0	1.0000000
MP4KP23	23. Negativism	344	0.0261628	0.1205763	0	1.0000000
MP4KP24	24. Temper Tantrum	344	0.0562016	0.1815252	0	1.0000000
MP4KP25	25. Lies	344	0.0426357	0.1593354	0	1.0000000
MP4KP26	26. Argues	344	0.2640504	0.3273955	0	1.0000000
MP4KP27	27. Police Contact	344	0.0019380	0.0253794	0	0.3333333
MP4KP28	28. Firesetting	344	0.000968992	0.0179721	0	0.3333333
MP4KP29	29. Steals	344	0.0058140	0.0670913	0	1.0000000
MP4KP30	30. Runs Away	344	0.0019380	0.0359443	0	0.6666667

Parent Daily Report Subscales Year 4 Normative Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
PDR4OAR	Oppositional+Aggressive-Revised - PDR Y4	344	0.1613170	0.1603778	0	0.8333333
PDR4COA	Covert Antisocial - PDR Y4	344	0.0650436	0.0969557	0	0.6250000
PDR4OAG	Oppositional+Aggressive - PDR Y4	344	0.2058756	0.1945391	0	1.0000000
PDR4HYP	Hyperactivity - PDR Y4	344	0.1059432	0.2039593	0	1.0000000

Parent Daily Report Items Year 4 Control Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
MP4KP1	1. Not Eating	139	0.0479616	0.1582979	0	1.0000000
MP4KP2	2. Wets/Soils	139	0.0335731	0.1348642	0	1.0000000
MP4KP3	3. Fights w. Sib	125	0.4613333	0.3897982	0	1.0000000
MP4KP4	4. Aggressive	139	0.2422062	0.3346730	0	1.0000000
MP4KP5	5. Destructive	139	0.0311751	0.1383832	0	1.0000000
MP4KP6	6. Hits Others	139	0.2254197	0.3002034	0	1.0000000
MP4KP7	7. Sad	139	0.1726619	0.2549116	0	1.0000000
MP4KP8	8. Fearful	139	0.0599520	0.1714380	0	1.0000000
MP4KP9	9. Teases	139	0.3812950	0.3881521	0	1.0000000
MP4KP10	10. Cries	139	0.2374101	0.3165957	0	1.0000000
MP4KP11	11. Whines	139	0.3297362	0.3851447	0	1.0000000
MP4KP12	12. Complains	139	0.4244604	0.3948251	0	1.0000000
MP4KP13	13. Yells	139	0.3489209	0.3633203	0	1.0000000
MP4KP14	14. Noncompliant	139	0.2110312	0.3105599	0	1.0000000
MP4KP15	15. Defiant	139	0.1486811	0.2689595	0	1.0000000
MP4KP16	16. Talks Back Adult	139	0.2278177	0.3328160	0	1.0000000
MP4KP17	17. Competitive	139	0.1486811	0.2806786	0	1.0000000
MP4KP18	18. Noisy	139	0.1774580	0.3192739	0	1.0000000
MP4KP19	19. Runs Around	139	0.1402878	0.2874586	0	1.0000000
MP4KP20	20. Hyperactive	139	0.2002398	0.3310184	0	1.0000000
MP4KP21	21. Irritable	139	0.2050360	0.3129753	0	1.0000000
MP4KP22	22. Pouts	139	0.2482014	0.3323457	0	1.0000000
MP4KP23	23. Negativism	139	0.0575540	0.1879119	0	1.0000000
MP4KP24	24. Temper Tantrum	139	0.1247002	0.2538698	0	1.0000000
MP4KP25	25. Lies	139	0.1115108	0.2564690	0	1.0000000
MP4KP26	26. Argues	139	0.3669065	0.3765360	0	1.0000000
MP4KP27	27. Police Contact	139	0.0071942	0.0848189	0	1.0000000
MP4KP28	28. Firesetting	139	0.0119904	0.0933374	0	1.0000000
MP4KP29	29. Steals	139	0.0215827	0.1343478	0	1.0000000
MP4KP30	30. Runs Away	139	0.0143885	0.1051837	0	1.0000000

Parent Daily Report Subscales Year 4 Control Sample

Variable	Label	N	Mean	Std Dev	Minimum	Maximum
PDR4OAR	Oppositional+Aggressive-Revised - PDR Y4	139	0.2380096	0.2023168	0	0.9791667
PDR4COA	Covert Antisocial - PDR Y4	139	0.1133094	0.1477640	0	1.0000000
PDR4OAG	Oppositional+Aggressive - PDR Y4	139	0.2930238	0.2342284	0	1.0000000
PDR4HYP	Hyperactivity - PDR Y4	139	0.1726619	0.2656525	0	1.0000000

VII. Item and Scale Correlations

Parent Daily Report Items Year 4 Report Sample

	Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations								
	MP4KP1	**MP4KP2**	**MP4KP3**	**MP4KP4**	**MP4KP5**	**MP4KP6**	**MP4KP7**	**MP4KP8**	**MP4KP9**
MP4KP1 1. Not Eating	1.00000 412	0.11438 0.0202 412	0.11999 0.0195 379	0.08105 0.1004 412	0.25208 <.0001 412	0.08907 0.0709 412	0.23502 <.0001 412	0.11050 0.0249 412	0.15251 0.0019 412
MP4KP2 2. Wets/Soils	0.11438 0.0202 412	1.00000 412	0.01220 0.8128 379	0.12053 0.0144 412	0.17443 0.0004 412	0.06867 0.1641 412	0.09218 0.0616 412	0.21250 <.0001 412	0.02330 0.6372 412
MP4KP3 3. Fights w. Sib	0.11999 0.0195 379	0.01220 0.8128 379	1.00000 379	0.39432 <.0001 379	0.13572 0.0082 379	0.46776 <.0001 379	0.19489 0.0001 379	0.19130 0.0002 379	0.46532 <.0001 379
MP4KP4 4. Aggressive	0.08105 0.1004 412	0.12053 0.0144 412	0.39432 <.0001 379	1.00000 412	0.28751 <.0001 412	0.52026 <.0001 412	0.28780 <.0001 412	0.21010 <.0001 412	0.40526 <.0001 412
MP4KP5 5. Destructive	0.25208 <.0001 412	0.17443 0.0004 412	0.13572 0.0082 379	0.28751 <.0001 412	1.00000 412	0.15047 0.0022 412	0.26789 <.0001 412	0.36982 <.0001 412	0.11000 0.0256 412
MP4KP6 6. Hits Others	0.08907 0.0709 412	0.06867 0.1641 412	0.46776 <.0001 379	0.52026 <.0001 412	0.15047 0.0022 412	1.00000 412	0.26933 <.0001 412	0.13754 0.0052 412	0.40307 <.0001 412
MP4KP7 7. Sad	0.23502 <.0001 412	0.09218 0.0616 412	0.19489 0.0001 379	0.28780 <.0001 412	0.26789 <.0001 412	0.26933 <.0001 412	1.00000 412	0.30914 <.0001 412	0.20723 <.0001 412
MP4KP8 8. Fearful	0.11050 0.0249 412	0.21250 <.0001 412	0.19130 0.0002 379	0.21010 <.0001 412	0.36982 <.0001 412	0.13754 0.0052 412	0.30914 <.0001 412	1.00000 412	0.09468 0.0548 412
MP4KP9 9. Teases	0.15251 0.0019 412	0.02330 0.6372 412	0.46532 <.0001 379	0.40526 <.0001 412	0.11000 0.0256 412	0.40307 <.0001 412	0.20723 <.0001 412	0.09468 0.0548 412	1.00000 412
MP4KP10 10. Cries	0.16562 0.0007 412	0.08651 0.0794 412	0.26496 <.0001 379	0.25934 <.0001 412	0.29306 <.0001 412	0.25390 <.0001 412	0.45722 <.0001 412	0.21692 <.0001 412	0.24072 <.0001 412
MP4KP11 11. Whines	0.05344 0.2792 412	0.11994 0.0149 412	0.38156 <.0001 379	0.35673 <.0001 412	0.25791 <.0001 412	0.24494 <.0001 412	0.25287 <.0001 412	0.20513 <.0001 412	0.38351 <.0001 412
MP4KP12 12. Complains	0.13256 0.0071 412	0.09936 0.0438 412	0.38848 <.0001 379	0.38358 <.0001 412	0.19336 <.0001 412	0.29427 <.0001 412	0.36419 <.0001 412	0.25525 <.0001 412	0.43030 <.0001 412
MP4KP13 13. Yells	0.06150 0.2129 412	0.08813 0.0740 412	0.55898 <.0001 379	0.53533 <.0001 412	0.22066 <.0001 412	0.47583 <.0001 412	0.22762 <.0001 412	0.20475 <.0001 412	0.41796 <.0001 412
MP4KP14 14. Noncompliant	0.07937 0.1077 412	0.04586 0.3531 412	0.29176 <.0001 379	0.30776 <.0001 412	0.17748 0.0003 412	0.36908 <.0001 412	0.14890 0.0024 412	0.08757 0.0758 412	0.31763 <.0001 412
MP4KP15 15. Defiant	0.28963 <.0001 412	0.11096 0.0243 412	0.29147 <.0001 379	0.37583 <.0001 412	0.37072 <.0001 412	0.35179 <.0001 412	0.33797 <.0001 412	0.26810 <.0001 412	0.32717 <.0001 412
MP4KP16 16. Talks Back Adult	0.22214 <.0001 412	0.13992 0.0044 412	0.34916 <.0001 379	0.40214 <.0001 412	0.27714 <.0001 412	0.17977 0.0002 412	0.29952 <.0001 412	0.25432 <.0001 412	0.21484 <.0001 412

	Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations								
	MP4KP1	**MP4KP2**	**MP4KP3**	**MP4KP4**	**MP4KP5**	**MP4KP6**	**MP4KP7**	**MP4KP8**	**MP4KP9**
MP4KP17 17. Competitive	0.03661 0.4586 412	0.06757 0.1711 412	0.08029 0.1187 379	0.33193 <.0001 412	0.28982 <.0001 412	0.19125 <.0001 412	0.23683 <.0001 412	0.18361 0.0002 412	0.19029 0.0001 412
MP4KP18 18. Noisy	0.13524 0.0060 412	0.13975 0.0045 412	0.23205 <.0001 379	0.28507 <.0001 412	0.20467 <.0001 412	0.26465 <.0001 412	0.13337 0.0067 412	0.04718 0.3394 412	0.30579 <.0001 412
MP4KP19 19. Runs Around	0.21301 <.0001 412	0.04885 0.3226 412	0.17778 0.0005 379	0.21234 <.0001 412	0.21421 <.0001 412	0.19429 <.0001 412	0.11493 0.0196 412	0.05757 0.2437 412	0.23095 <.0001 412
MP4KP20 20. Hyperactive	0.28852 <.0001 412	0.05127 0.2991 412	0.16312 0.0014 379	0.28814 <.0001 412	0.21676 <.0001 412	0.22454 <.0001 412	0.13088 0.0078 412	0.10135 0.0398 412	0.21468 <.0001 412
MP4KP21 21. Irritable	0.23242 <.0001 412	0.06501 0.1879 412	0.30443 <.0001 379	0.35857 <.0001 412	0.26783 <.0001 412	0.23941 <.0001 412	0.40260 <.0001 412	0.20292 <.0001 412	0.29022 <.0001 412
MP4KP22 22. Pouts	0.08235 0.0950 412	0.10981 0.0258 412	0.28277 <.0001 379	0.31248 <.0001 412	0.24714 <.0001 412	0.28359 <.0001 412	0.39208 <.0001 412	0.19339 <.0001 412	0.32437 <.0001 412
MP4KP23 23. Negativism	0.10287 0.0369 412	0.17318 0.0004 412	0.10829 0.0351 379	0.28434 <.0001 412	0.42052 <.0001 412	0.28004 <.0001 412	0.27925 <.0001 412	0.24675 <.0001 412	0.15257 0.0019 412
MP4KP24 24. Temper Tantrum	0.17764 0.0003 412	0.07858 0.1112 412	0.25041 <.0001 379	0.32569 <.0001 412	0.41369 <.0001 412	0.20303 <.0001 412	0.24054 <.0001 412	0.22042 <.0001 412	0.28136 <.0001 412
MP4KP25 25. Lies	0.24293 <.0001 412	0.15658 0.0014 412	0.20968 <.0001 379	0.37050 <.0001 412	0.45675 <.0001 412	0.35035 <.0001 412	0.30881 <.0001 412	0.25086 <.0001 412	0.27657 <.0001 412
MP4KP26 26. Argues	0.11219 0.0228 412	0.08862 0.0724 412	0.50259 <.0001 379	0.45020 <.0001 412	0.26833 <.0001 412	0.38319 <.0001 412	0.32457 <.0001 412	0.23307 <.0001 412	0.44784 <.0001 412
MP4KP27 27. Police Contact	0.21292 <.0001 412	0.32657 <.0001 412	0.07447 0.1479 379	0.13394 0.0065 412	0.41323 <.0001 412	0.11756 0.0170 412	0.14340 0.0035 412	0.25441 <.0001 412	0.03715 0.4520 412
MP4KP28 28. Firesetting	0.25179 <.0001 412	0.36482 <.0001 412	0.10229 0.0466 379	0.16954 0.0005 412	0.41323 <.0001 412	0.17172 0.0005 412	0.20641 <.0001 412	0.25441 <.0001 412	0.07913 0.1088 412
MP4KP29 29. Steals	0.19008 0.0001 412	0.24291 <.0001 412	0.14296 0.0053 379	0.24096 <.0001 412	0.37714 <.0001 412	0.21909 <.0001 412	0.17587 0.0003 412	0.16058 0.0011 412	0.12773 0.0095 412
MP4KP30 30. Runs Away	0.25414 <.0001 412	0.28645 <.0001 412	0.10145 0.0484 379	0.22144 <.0001 412	0.36397 <.0001 412	0.17632 0.0003 412	0.23081 <.0001 412	0.22059 <.0001 412	0.10901 0.0269 412

	Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations							
	MP4KP10	**MP4KP11**	**MP4KP12**	**MP4KP13**	**MP4KP14**	**MP4KP15**	**MP4KP16**	**MP4KP17**
MP4KP1 1. Not Eating	0.16562 0.0007 412	0.05344 0.2792 412	0.13256 0.0071 412	0.06150 0.2129 412	0.07937 0.1077 412	0.28963 <.0001 412	0.22214 <.0001 412	0.03661 0.4586 412

	Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations							
	MP4KP10	**MP4KP11**	**MP4KP12**	**MP4KP13**	**MP4KP14**	**MP4KP15**	**MP4KP16**	**MP4KP17**
MP4KP2 2. Wets/Soils	0.08651 0.0794 412	0.11994 0.0149 412	0.09936 0.0438 412	0.08813 0.0740 412	0.04586 0.3531 412	0.11096 0.0243 412	0.13992 0.0044 412	0.06757 0.1711 412
MP4KP3 3. Fights w. Sib	0.26496 <.0001 379	0.38156 <.0001 379	0.38848 <.0001 379	0.55898 <.0001 379	0.29176 <.0001 379	0.29147 <.0001 379	0.34916 <.0001 379	0.08029 0.1187 379
MP4KP4 4. Aggressive	0.25934 <.0001 412	0.35673 <.0001 412	0.38358 <.0001 412	0.53533 <.0001 412	0.30776 <.0001 412	0.37583 <.0001 412	0.40214 <.0001 412	0.33193 <.0001 412
MP4KP5 5. Destructive	0.29306 <.0001 412	0.25791 <.0001 412	0.19336 <.0001 412	0.22066 <.0001 412	0.17748 0.0003 412	0.37072 <.0001 412	0.27714 <.0001 412	0.28982 <.0001 412
MP4KP6 6. Hits Others	0.25390 <.0001 412	0.24494 <.0001 412	0.29427 <.0001 412	0.47583 <.0001 412	0.36908 <.0001 412	0.35179 <.0001 412	0.17977 0.0002 412	0.19125 <.0001 412
MP4KP7 7. Sad	0.45722 <.0001 412	0.25287 <.0001 412	0.36419 <.0001 412	0.22762 <.0001 412	0.14890 0.0024 412	0.33797 <.0001 412	0.29952 <.0001 412	0.23683 <.0001 412
MP4KP8 8. Fearful	0.21692 <.0001 412	0.20513 <.0001 412	0.25525 <.0001 412	0.20475 <.0001 412	0.08757 0.0758 412	0.26810 <.0001 412	0.25432 <.0001 412	0.18361 0.0002 412
MP4KP9 9. Teases	0.24072 <.0001 412	0.38351 <.0001 412	0.43030 <.0001 412	0.41796 <.0001 412	0.31763 <.0001 412	0.32717 <.0001 412	0.21484 <.0001 412	0.19029 0.0001 412
MP4KP10 10. Cries	1.00000 412	0.45737 <.0001 412	0.39916 <.0001 412	0.27041 <.0001 412	0.20976 <.0001 412	0.29451 <.0001 412	0.31857 <.0001 412	0.16040 0.0011 412
MP4KP11 11. Whines	0.45737 <.0001 412	1.00000 412	0.49972 <.0001 412	0.42437 <.0001 412	0.29122 <.0001 412	0.29966 <.0001 412	0.47247 <.0001 412	0.20234 <.0001 412
MP4KP12 12. Complains	0.39916 <.0001 412	0.49972 <.0001 412	1.00000 412	0.45695 <.0001 412	0.42346 <.0001 412	0.36596 <.0001 412	0.34297 <.0001 412	0.22012 <.0001 412
MP4KP13 13. Yells	0.27041 <.0001 412	0.42437 <.0001 412	0.45695 <.0001 412	1.00000 412	0.30368 <.0001 412	0.34823 <.0001 412	0.45478 <.0001 412	0.17793 0.0003 412
MP4KP14 14. Noncompliant	0.20976 <.0001 412	0.29122 <.0001 412	0.42346 <.0001 412	0.30368 <.0001 412	1.00000 412	0.39635 <.0001 412	0.28288 <.0001 412	0.16094 0.0010 412
MP4KP15 15. Defiant	0.29451 <.0001 412	0.29966 <.0001 412	0.36596 <.0001 412	0.34823 <.0001 412	0.39635 <.0001 412	1.00000 412	0.48023 <.0001 412	0.31237 <.0001 412
MP4KP16 16. Talks Back Adult	0.31857 <.0001 412	0.47247 <.0001 412	0.34297 <.0001 412	0.45478 <.0001 412	0.28288 <.0001 412	0.48023 <.0001 412	1.00000 412	0.21864 <.0001 412
MP4KP17 17. Competitive	0.16040 0.0011 412	0.20234 <.0001 412	0.22012 <.0001 412	0.17793 0.0003 412	0.16094 0.0010 412	0.31237 <.0001 412	0.21864 <.0001 412	1.00000 412
MP4KP18 18. Noisy	0.18040 0.0002 412	0.23067 <.0001 412	0.19987 <.0001 412	0.27027 <.0001 412	0.17174 0.0005 412	0.26648 <.0001 412	0.22593 <.0001 412	0.25553 <.0001 412

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations								
	MP4KP10	**MP4KP11**	**MP4KP12**	**MP4KP13**	**MP4KP14**	**MP4KP15**	**MP4KP16**	**MP4KP17**
MP4KP19 19. Runs Around	0.20732 <.0001 412	0.20365 <.0001 412	0.20367 <.0001 412	0.16096 0.0010 412	0.22518 <.0001 412	0.31884 <.0001 412	0.21405 <.0001 412	0.19359 <.0001 412
MP4KP20 20. Hyperactive	0.20205 <.0001 412	0.22328 <.0001 412	0.19342 <.0001 412	0.19468 <.0001 412	0.21642 <.0001 412	0.35305 <.0001 412	0.25822 <.0001 412	0.25481 <.0001 412
MP4KP21 21. Irritable	0.36364 <.0001 412	0.46049 <.0001 412	0.48707 <.0001 412	0.40244 <.0001 412	0.25568 <.0001 412	0.48309 <.0001 412	0.53051 <.0001 412	0.26697 <.0001 412
MP4KP22 22. Pouts	0.33402 <.0001 412	0.48766 <.0001 412	0.46141 <.0001 412	0.38914 <.0001 412	0.23881 <.0001 412	0.48177 <.0001 412	0.41589 <.0001 412	0.25691 <.0001 412
MP4KP23 23. Negativism	0.26386 <.0001 412	0.24841 <.0001 412	0.18618 0.0001 412	0.21374 <.0001 412	0.17293 0.0004 412	0.33384 <.0001 412	0.25583 <.0001 412	0.35979 <.0001 412
MP4KP24 24. Temper Tantrum	0.39986 <.0001 412	0.38442 <.0001 412	0.29066 <.0001 412	0.33587 <.0001 412	0.26021 <.0001 412	0.54895 <.0001 412	0.48543 <.0001 412	0.28545 <.0001 412
MP4KP25 25. Lies	0.24732 <.0001 412	0.24627 <.0001 412	0.21334 <.0001 412	0.24664 <.0001 412	0.30270 <.0001 412	0.45098 <.0001 412	0.34092 <.0001 412	0.37605 <.0001 412
MP4KP26 26. Argues	0.33477 <.0001 412	0.50275 <.0001 412	0.54873 <.0001 412	0.58517 <.0001 412	0.33821 <.0001 412	0.45021 <.0001 412	0.55877 <.0001 412	0.24323 <.0001 412
MP4KP27 27. Police Contact	0.11089 0.0244 412	0.07091 0.1508 412	0.06099 0.2167 412	0.06754 0.1712 412	0.12958 0.0085 412	0.17936 0.0003 412	0.13161 0.0075 412	0.16793 0.0006 412
MP4KP28 28. Firesetting	0.12885 0.0088 412	0.11439 0.0202 412	0.08758 0.0758 412	0.11206 0.0229 412	0.16459 0.0008 412	0.27400 <.0001 412	0.22565 <.0001 412	0.21217 <.0001 412
MP4KP29 29. Steals	0.09843 0.0459 412	0.12655 0.0101 412	0.13128 0.0076 412	0.16437 0.0008 412	0.23430 <.0001 412	0.30227 <.0001 412	0.18753 0.0001 412	0.25226 <.0001 412
MP4KP30 30. Runs Away	0.08932 0.0701 412	0.09087 0.0654 412	0.11205 0.0229 412	0.15344 0.0018 412	0.19997 <.0001 412	0.29995 <.0001 412	0.22677 <.0001 412	0.24146 <.0001 412

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations								
	MP4KP18	**MP4KP19**	**MP4KP20**	**MP4KP21**	**MP4KP22**	**MP4KP23**	**MP4KP24**	**MP4KP25**
MP4KP1 1. Not Eating	0.13524 0.0060 412	0.21301 <.0001 412	0.28852 <.0001 412	0.23242 <.0001 412	0.08235 0.0950 412	0.10287 0.0369 412	0.17764 0.0003 412	0.24293 <.0001 412
MP4KP2 2. Wets/Soils	0.13975 0.0045 412	0.04885 0.3226 412	0.05127 0.2991 412	0.06501 0.1879 412	0.10981 0.0258 412	0.17318 0.0004 412	0.07858 0.1112 412	0.15658 0.0014 412
MP4KP3 3. Fights w. Sib	0.23205 <.0001 379	0.17778 0.0005 379	0.16312 0.0014 379	0.30443 <.0001 379	0.28277 <.0001 379	0.10829 0.0351 379	0.25041 <.0001 379	0.20968 <.0001 379

	MP4KP18	MP4KP19	MP4KP20	MP4KP21	MP4KP22	MP4KP23	MP4KP24	MP4KP25
MP4KP4 4. Aggressive	0.28507 <.0001 412	0.21234 <.0001 412	0.28814 <.0001 412	0.35857 <.0001 412	0.31248 <.0001 412	0.28434 <.0001 412	0.32569 <.0001 412	0.37050 <.0001 412
MP4KP5 5. Destructive	0.20467 <.0001 412	0.21421 <.0001 412	0.21676 <.0001 412	0.26783 <.0001 412	0.24714 <.0001 412	0.42052 <.0001 412	0.41369 <.0001 412	0.45675 <.0001 412
MP4KP6 6. Hits Others	0.26465 <.0001 412	0.19429 <.0001 412	0.22454 <.0001 412	0.23941 <.0001 412	0.28359 <.0001 412	0.28004 <.0001 412	0.20303 <.0001 412	0.35035 <.0001 412
MP4KP7 7. Sad	0.13337 0.0067 412	0.11493 0.0196 412	0.13088 0.0078 412	0.40260 <.0001 412	0.39208 <.0001 412	0.27925 <.0001 412	0.24054 <.0001 412	0.30881 <.0001 412
MP4KP8 8. Fearful	0.04718 0.3394 412	0.05757 0.2437 412	0.10135 0.0398 412	0.20292 <.0001 412	0.19339 <.0001 412	0.24675 <.0001 412	0.22042 <.0001 412	0.25086 <.0001 412
MP4KP9 9. Teases	0.30579 <.0001 412	0.23095 <.0001 412	0.21468 <.0001 412	0.29022 <.0001 412	0.32437 <.0001 412	0.15257 0.0019 412	0.28136 <.0001 412	0.27657 <.0001 412
MP4KP10 10. Cries	0.18040 0.0002 412	0.20732 <.0001 412	0.20205 <.0001 412	0.36364 <.0001 412	0.33402 <.0001 412	0.26386 <.0001 412	0.39986 <.0001 412	0.24732 <.0001 412
MP4KP11 11. Whines	0.23067 <.0001 412	0.20365 <.0001 412	0.22328 <.0001 412	0.46049 <.0001 412	0.48766 <.0001 412	0.24841 <.0001 412	0.38442 <.0001 412	0.24627 <.0001 412
MP4KP12 12. Complains	0.19987 <.0001 412	0.20367 <.0001 412	0.19342 <.0001 412	0.48707 <.0001 412	0.46141 <.0001 412	0.18618 0.0001 412	0.29066 <.0001 412	0.21334 <.0001 412
MP4KP13 13. Yells	0.27027 <.0001 412	0.16096 0.0010 412	0.19468 <.0001 412	0.40244 <.0001 412	0.38914 <.0001 412	0.21374 <.0001 412	0.33587 <.0001 412	0.24664 <.0001 412
MP4KP14 14. Noncompliant	0.17174 0.0005 412	0.22518 <.0001 412	0.21642 <.0001 412	0.25568 <.0001 412	0.23881 <.0001 412	0.17293 0.0004 412	0.26021 <.0001 412	0.30270 <.0001 412
MP4KP15 15. Defiant	0.26648 <.0001 412	0.31884 <.0001 412	0.35305 <.0001 412	0.48309 <.0001 412	0.48177 <.0001 412	0.33384 <.0001 412	0.54895 <.0001 412	0.45098 <.0001 412
MP4KP16 16. Talks Back Adult	0.22593 <.0001 412	0.21405 <.0001 412	0.25822 <.0001 412	0.53051 <.0001 412	0.41589 <.0001 412	0.25583 <.0001 412	0.48543 <.0001 412	0.34092 <.0001 412
MP4KP17 17. Competitive	0.25553 <.0001 412	0.19359 <.0001 412	0.25481 <.0001 412	0.26697 <.0001 412	0.25691 <.0001 412	0.35979 <.0001 412	0.28545 <.0001 412	0.37605 <.0001 412
MP4KP18 18. Noisy	1.00000 412	0.63079 <.0001 412	0.49763 <.0001 412	0.11181 0.0232 412	0.27281 <.0001 412	0.24664 <.0001 412	0.29007 <.0001 412	0.36171 <.0001 412
MP4KP19 19. Runs Around	0.63079 <.0001 412	1.00000 412	0.61601 <.0001 412	0.09734 0.0483 412	0.22138 <.0001 412	0.20329 <.0001 412	0.29306 <.0001 412	0.32713 <.0001 412
MP4KP20 20. Hyperactive	0.49763 <.0001 412	0.61601 <.0001 412	1.00000 412	0.15857 0.0012 412	0.19644 <.0001 412	0.25788 <.0001 412	0.34221 <.0001 412	0.33605 <.0001 412

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations								
	MP4KP18	**MP4KP19**	**MP4KP20**	**MP4KP21**	**MP4KP22**	**MP4KP23**	**MP4KP24**	**MP4KP25**
MP4KP21 21. Irritable	0.11181 0.0232 412	0.09734 0.0483 412	0.15857 0.0012 412	1.00000 412	0.44464 <.0001 412	0.28827 <.0001 412	0.41674 <.0001 412	0.29689 <.0001 412
MP4KP22 22. Pouts	0.27281 <.0001 412	0.22138 <.0001 412	0.19644 <.0001 412	0.44464 <.0001 412	1.00000 412	0.29907 <.0001 412	0.38164 <.0001 412	0.35583 <.0001 412
MP4KP23 23. Negativism	0.24664 <.0001 412	0.20329 <.0001 412	0.25788 <.0001 412	0.28827 <.0001 412	0.29907 <.0001 412	1.00000 412	0.39302 <.0001 412	0.55962 <.0001 412
MP4KP24 24. Temper Tantrum	0.29007 <.0001 412	0.29306 <.0001 412	0.34221 <.0001 412	0.41674 <.0001 412	0.38164 <.0001 412	0.39302 <.0001 412	1.00000 412	0.43529 <.0001 412
MP4KP25 25. Lies	0.36171 <.0001 412	0.32713 <.0001 412	0.33605 <.0001 412	0.29689 <.0001 412	0.35583 <.0001 412	0.55962 <.0001 412	0.43529 <.0001 412	1.00000 412
MP4KP26 26. Argues	0.31563 <.0001 412	0.21160 <.0001 412	0.24189 <.0001 412	0.50516 <.0001 412	0.46644 <.0001 412	0.20700 <.0001 412	0.38113 <.0001 412	0.31662 <.0001 412
MP4KP27 27. Police Contact	0.13972 0.0045 412	0.14496 0.0032 412	0.14752 0.0027 412	0.14669 0.0028 412	0.12486 0.0112 412	0.33189 <.0001 412	0.20440 <.0001 412	0.22463 <.0001 412
MP4KP28 28. Firesetting	0.13972 0.0045 412	0.16490 0.0008 412	0.19291 <.0001 412	0.20313 <.0001 412	0.14246 0.0038 412	0.40940 <.0001 412	0.20440 <.0001 412	0.30725 <.0001 412
MP4KP29 29. Steals	0.11758 0.0170 412	0.15034 0.0022 412	0.22164 <.0001 412	0.18288 0.0002 412	0.21663 <.0001 412	0.40840 <.0001 412	0.28671 <.0001 412	0.42884 <.0001 412
MP4KP30 30. Runs Away	0.11761 0.0169 412	0.15778 0.0013 412	0.18917 0.0001 412	0.23950 <.0001 412	0.16408 0.0008 412	0.42876 <.0001 412	0.17668 0.0003 412	0.37822 <.0001 412

Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations					
	MP4KP26	**MP4KP27**	**MP4KP28**	**MP4KP29**	**MP4KP30**
MP4KP1 1. Not Eating	0.11219 0.0228 412	0.21292 <.0001 412	0.25179 <.0001 412	0.19008 0.0001 412	0.25414 <.0001 412
MP4KP2 2. Wets/Soils	0.08862 0.0724 412	0.32657 <.0001 412	0.36482 <.0001 412	0.24291 <.0001 412	0.28645 <.0001 412
MP4KP3 3. Fights w. Sib	0.50259 <.0001 379	0.07447 0.1479 379	0.10229 0.0466 379	0.14296 0.0053 379	0.10145 0.0484 379
MP4KP4 4. Aggressive	0.45020 <.0001 412	0.13394 0.0065 412	0.16954 0.0005 412	0.24096 <.0001 412	0.22144 <.0001 412
MP4KP5 5. Destructive	0.26833 <.0001 412	0.41323 <.0001 412	0.41323 <.0001 412	0.37714 <.0001 412	0.36397 <.0001 412

	MP4KP26	MP4KP27	MP4KP28	MP4KP29	MP4KP30
Pearson Correlation Coefficients **Prob > |r| under H0: Rho=0** **Number of Observations**					
MP4KP6 **6. Hits Others**	0.38319 <.0001 412	0.11756 0.0170 412	0.17172 0.0005 412	0.21909 <.0001 412	0.17632 0.0003 412
MP4KP7 **7. Sad**	0.32457 <.0001 412	0.14340 0.0035 412	0.20641 <.0001 412	0.17587 0.0003 412	0.23081 <.0001 412
MP4KP8 **8. Fearful**	0.23307 <.0001 412	0.25441 <.0001 412	0.25441 <.0001 412	0.16058 0.0011 412	0.22059 <.0001 412
MP4KP9 **9. Teases**	0.44784 <.0001 412	0.03715 0.4520 412	0.07913 0.1088 412	0.12773 0.0095 412	0.10901 0.0269 412
MP4KP10 **10. Cries**	0.33477 <.0001 412	0.11089 0.0244 412	0.12885 0.0088 412	0.09843 0.0459 412	0.08932 0.0701 412
MP4KP11 **11. Whines**	0.50275 <.0001 412	0.07091 0.1508 412	0.11439 0.0202 412	0.12655 0.0101 412	0.09087 0.0654 412
MP4KP12 **12. Complains**	0.54873 <.0001 412	0.06099 0.2167 412	0.08758 0.0758 412	0.13128 0.0076 412	0.11205 0.0229 412
MP4KP13 **13. Yells**	0.58517 <.0001 412	0.06754 0.1712 412	0.11206 0.0229 412	0.16437 0.0008 412	0.15344 0.0018 412
MP4KP14 **14. Noncompliant**	0.33821 <.0001 412	0.12958 0.0085 412	0.16459 0.0008 412	0.23430 <.0001 412	0.19997 <.0001 412
MP4KP15 **15. Defiant**	0.45021 <.0001 412	0.17936 0.0003 412	0.27400 <.0001 412	0.30227 <.0001 412	0.29995 <.0001 412
MP4KP16 **16. Talks Back Adult**	0.55877 <.0001 412	0.13161 0.0075 412	0.22565 <.0001 412	0.18753 0.0001 412	0.22677 <.0001 412
MP4KP17 **17. Competitive**	0.24323 <.0001 412	0.16793 0.0006 412	0.21217 <.0001 412	0.25226 <.0001 412	0.24146 <.0001 412
MP4KP18 **18. Noisy**	0.31563 <.0001 412	0.13972 0.0045 412	0.13972 0.0045 412	0.11758 0.0170 412	0.11761 0.0169 412
MP4KP19 **19. Runs Around**	0.21160 <.0001 412	0.14496 0.0032 412	0.16490 0.0008 412	0.15034 0.0022 412	0.15778 0.0013 412
MP4KP20 **20. Hyperactive**	0.24189 <.0001 412	0.14752 0.0027 412	0.19291 <.0001 412	0.22164 <.0001 412	0.18917 0.0001 412
MP4KP21 **21. Irritable**	0.50516 <.0001 412	0.14669 0.0028 412	0.20313 <.0001 412	0.18288 0.0002 412	0.23950 <.0001 412
MP4KP22 **22. Pouts**	0.46644 <.0001 412	0.12486 0.0112 412	0.14246 0.0038 412	0.21663 <.0001 412	0.16408 0.0008 412

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Pearson Correlation Coefficients Prob > |r| under H0: Rho=0 Number of Observations					
	MP4KP26	**MP4KP27**	**MP4KP28**	**MP4KP29**	**MP4KP30**
MP4KP23 23. Negativism	0.20700 <.0001 412	0.33189 <.0001 412	0.40940 <.0001 412	0.40840 <.0001 412	0.42876 <.0001 412
MP4KP24 24. Temper Tantrum	0.38113 <.0001 412	0.20440 <.0001 412	0.20440 <.0001 412	0.28671 <.0001 412	0.17668 0.0003 412
MP4KP25 25. Lies	0.31662 <.0001 412	0.22463 <.0001 412	0.30725 <.0001 412	0.42884 <.0001 412	0.37822 <.0001 412
MP4KP26 26. Argues	1.00000 412	0.08077 0.1016 412	0.10949 0.0263 412	0.16038 0.0011 412	0.13688 0.0054 412
MP4KP27 27. Police Contact	0.08077 0.1016 412	1.00000 412	0.81717 <.0001 412	0.56292 <.0001 412	0.72363 <.0001 412
MP4KP28 28. Firesetting	0.10949 0.0263 412	0.81717 <.0001 412	1.00000 412	0.68955 <.0001 412	0.88574 <.0001 412
MP4KP29 29. Steals	0.16038 0.0011 412	0.56292 <.0001 412	0.68955 <.0001 412	1.00000 412	0.72250 <.0001 412
MP4KP30 30. Runs Away	0.13688 0.0054 412	0.72363 <.0001 412	0.88574 <.0001 412	0.72250 <.0001 412	1.00000 412

Parent Daily Report Subscales Year 4 Report Sample

Pearson Correlation Coefficients, N = 412 Prob > |r| under H0: Rho=0				
	PDR4OAR	**PDR4COA**	**PDR4OAG**	**PDR4HYP**
PDR4OAR **Oppositional+Aggressive-Revised - PDR Y4**	1.00000	0.85338 <.0001	0.98235 <.0001	0.42004 <.0001
PDR4COA **Covert Antisocial - PDR Y4**	0.85338 <.0001	1.00000	0.76102 <.0001	0.40892 <.0001
PDR4OAG **Oppositional+Aggressive - PDR Y4**	0.98235 <.0001	0.76102 <.0001	1.00000	0.40451 <.0001
PDR4HYP **Hyperactivity - PDR Y4**	0.42004 <.0001	0.40892 <.0001	0.40451 <.0001	1.00000

Appendix
(Scoring program removed)