SILC DISCLOSURE CONTROL RULES

YEAR 2021

LONGITUDINAL DATA

DIFFERENCES BETWEEN ORIGINAL DATABASE (as described in the guidelines) AND THE ANONYMISED USER DATABASE

In order to ensure disclosure control and confidentiality of the UDB, some variables collected were removed or changed. On the other hand, in order to ease the use of the data, some variables were added.

This document summarizes the changes between the data collected by countries as described in the 2021 guidelines and the user database.

1. GENERAL RULES

Applied for all countries except when specified on point 2

INCOME VARIABLES

All variables are in \in (EURO). For the countries not members of the euro area the conversion factor can be found in variables HX010 and PX010.

Income data (EURO) *i.e.* **HY020** * **HX010** = income data (national currency).

CALCULATED ADDED VARIABLES

(computed only for *RB110* in (1,2,3,4))

RX010: Age at the time of interview (=RB082)

RX020: Age at the end of income reference period (=RB081)

HX010: Change rate *HX040*: Household size

HX050: Equivalised household size *HX090*: Equivalised disposable income

HX100: Equivalised disposable income quintile

PX010: Change rate

PX020: Age at the end of the income reference period (=RB081)

PX030: Household identification number

PX040: Selected respondent status

NOT DISSEMINATED VARIABLES

Nucleus variables included until 2020 SILC operation year and no longer belonging to SILC exercise as from 2021 will not be disseminated in UDB.

In addition, the following SILC current nucleus variables are not disseminated in UDB:

DB050: Primary strata

DB061: (not provided by all countries)

DB063: (not provided by all countries)

DB071: (not provided by all countries)

DB073: (not provided by all countries)

DB080: Household design weight

DB120: Contact at address

DB130: Household questionnaire result

DB135: Household interview acceptance

HB040: Day of household interview

HH070: Total housing cost

HH071: Mortgage principal repayment

PB040: Personal cross-sectional weight

PB060: Personal cross-sectional weight for selected respondent

PB070: Personal design weight for selected respondent

PB090: Day of the personal interview

PB260: Nature of participation in the survey

PB265: Personal ID of person who filled in the questionnaire

PE010: Current education activity

PE021: ISCED level currently attended

PH040: Unmet need for medical examination or treatment

PH050: Main reason for unmet need for medical examination or treatment

PH060: Unmet need for dental examination or treatment

PH070: Main reason for unmet need for dental examination or treatment

PL016: Whether person has ever worked

PL035: Worked at least one hour during the previous week

PL073: Number of months spent at full-time work as employee

PL074: Number of months spent at part-time work as employee

PL075: Number of months spent at full-time work as self-employed (including family worker)

PL076: Number of months spent at part-time work as self-employed (including family worker)

PL080: Number of months spent in unemployment

PL085: Number of months spent in retirement or early retirement

PL086: Number of months spent as disabled or/and unfit to work

PL087: Number of months spent studying

PL088: Number of months spent in compulsory military service

PL089: Number of months spent fulfilling domestic tasks and care responsibilities

PL090: Number of months spent in other inactivity

PL100: Total number of hours usually worked in second, third, ... jobs

PL111A, PL111B: NACE Rev.2

PL120: Reason for working less than 30 hours

PL150: Managerial position

PY200g: Gross monthly earnings for employees

RB050: Personal cross-sectional weight

RB083: Passing of birthday at time of interview

RL010: Education at pre-school

RL020: Education at compulsory school

RL030: Childcare at centre-based services

RL040: Childcare at day-care centre

RL050: Childcare by a professional child-minder at child's home or at child-minder's home

RL060: Childcare by grand-parents, other household members (outside parents), other relatives, friends or neighbours

RL070: Childrens' cross-sectional weight for childcare

TOP/BOTTOM CODING

RB080: Year of birth

→ Year of survey minus 81 and below.

RB081: Age in completed years

RB082: Age in completed years at the time of the interview

 \rightarrow 80 and above.

RX010: Age at the time of interview

RX020: Age at the end of income reference period

 \rightarrow 80 and above.

HH030: Number of rooms available to the household

 \rightarrow 6 and above.

PB140: Year of birth

→ Year of survey minus 81 and below.

PE041: Highest ISCED level attained

- \rightarrow 5 and above for year < 2014.
- \rightarrow 500 and above for year >= 2014.

PX020: Age at the end of the income reference period

 \rightarrow 80 and above.

GROUPING / RECODING / PROCESSING

DB040: NUTS

 \rightarrow NUTS 1 level only.

RB280: Country of birth

 \rightarrow Recoded "LOC", "EU" "OTH".

RB290: Citizenship 1

 \rightarrow Recoded "LOC", "EU" "OTH".

RB285: Duration of stay in the country of residence in completed years

→ Grouped in 5-year classes (as done for the cross-sectional data)

HB050: Month of household interview

→ Grouped into quarters.

HH010: Dwelling type

 \rightarrow 5 recoded as missing.

PB230: Country of birth of father

 \rightarrow Recoded "LOC", "EU" "OTH".

PB240: Country of birth of mother

→ Recoded "LOC", "EU" "OTH".

PB100: Month of the personal interview

→ Grouped into quarters.

PERTURBATION / PROCESSING

DB060: PSU-1 (first stage)

 \rightarrow Randomised.

DB062: PSU-2 (second stage)

→ Randomised.

2. COUNTRY SPECIFIC RULES

CH

DB040: Region

 \rightarrow NUTS2.

DB050: Primary strata variable added.

\mathbf{CZ}

No randomisation of Household and Personal ID

No randomisation of PSU1 and PSU2.

DB040: Region → NUTS2.

DE

Comment: The longitudinal data is built up step-by-step from EU-SILC 2021 onwards. The first 4-years-longitudinal data for the period of 2020-2023 will be provided with the release of the German SILC 2023 data (See also Commission Implementing Decision (EU) 2020/2050 of 10 December 2020 in regard of granting derogations.)

Subsample of 90%

HX040, HB120: Household size

→ All records (at household and individual level) of Households with size 7 or over suppressed.

DB100: Degree of urbanization

 \rightarrow Merging "1" and "2" into "1"

RG Z#: Household Grid

→ Not provided.

RB090: Sex PB150: Sex

- → Recoded sex for one partner when a couple is in a same sex relationship:
- the sex of the younger partner should be female and that of the older male;
- if a new same-sex partner moves into the household, only the sex of the new partner is adjusted.

HY040G/HY040N: Income from rental of a property or land

HY090G/HY090N: Interest, dividends, profit from capital investments in unincorporated business

HY140G/HY140N: Tax on income and social contributions

- \rightarrow Top coding and replacement by mean of 5 highest values for each year separately:
- select the 5 highest values for each of the variables;
- replace them with the weighted mean of those 5 values.

HY140G/HY140N: Tax on income and social contributions

- → Bottom coding and replacement by mean of 3 lowest values for each year separately:
- select the 3 lowest negative values (adjust the number if there are less than 3 such records);
- replace them with the weighted mean of those 3 values.

PY010G/PY010N: Employee cash or near cash income

PY050G/PY050N: Cash benefits or losses from self-employment

PY080G/PY080N: Pension from individual private plans

PY090G/PY090N: Unemployment benefits

PY100G/PY100N: Old-age benefits

- \rightarrow Top coding and replacement by mean of 5 highest values for each year separately:
- calculate the sum of income variable over all household members;
- select the 5 highest values of the sum;
- replace them with the weighted mean of those 5 summed up values;
- divide the mean between all household members according to their previous share of the sum.

PY050G/PY050N: Cash benefits or losses from self-employment

- → Bottom coding and replacement by mean of 3 lowest values for each year separately:
- calculate the sum of this variable over all household members;
- select the 3 lowest negative values (adjust the number if there are less than 3 such records);
- replace them with the weighted mean of those 3 summed up values;
- divide the mean between all household members according to their previous share of the sum.

PY091G: Unemployment benefits (C & MT)

PY092G: Unemployment benefits (C & NMT)

PY093G: Unemployment benefits (NC & MT)

PY094G: Unemployment benefits (NC & NMT)

PY101G: Old-age benefits (C & MT)

PY102G: Old-age benefits (C & NMT)

PY103G: Old-age benefits (NC & MT)

PY104G: Old-age benefits (NC & NMT)

 \rightarrow Adjust to top-coded variables *PY090G* and *PY100G* according to their share of the original variables.

HY010: Total household gross income

HY020: Total disposable household income

HY022: Total disposable household income before social transfers other than old-age and survivor's benefits

HY023: Total disposable household income before social transfers including old-age and survivor's benefits

- \rightarrow Adjust for the difference between the original and the top-coded variables HY040G, HY090G, HY140G, PY010G, PY050G, PY080G, PY090G and PY100G.
- → If the sign of HY020 changes due to anonymization of its components, further adjust HY140G for the difference of the anonymized and original values of the income components so that HY020 keeps its original value.

RB110: Membership status

→ Recoding 6 "Died" to 5 "Moved out since prev. wave"

In that case: **RB120** recoding to 4 (Lost)

RB120_F recoding to 1 (Filled)

$\mathbf{E}\mathbf{E}$

DB100: Degree of urbanisation

 \rightarrow Merging "2" and "1" into "1".

HY010: Total household gross income

HY020: Total disposable household income

HY022: Total disposable household income before social transfers other than old-age and survivor's benefits

HY023: Total disposable household income before social transfers including old-age and survivor's benefits

HY090G: Net interest, dividends, profit from capital investment in unicorporated business

HY120G: Regular taxes on wealth

HY140G: Tax on income and social insurance contribution

- → Perturbation of 3 highest *HY010* incomes:
- selection of the 3 highest *HY010*;
- replacement of recorded value by their weighted mean for *HY010*, *HY020*, *HY022*, *HY023*, *HY090G*, *HY120G* and *HY140G*;
- proportional adjustment of the related income sub-components.

ES

DB040: Region

 \rightarrow NUTS2.

FI

DB040: Region

→ NUTS2 with FI20 included in FI1B.

RB080: Year of birth

RX010: Age at the time of interview

RX020: Age at the end of income reference period

PB140: Year of birth

PX020: Age at the end of income reference period

 \rightarrow Random perturbation of RB080 inside appropriate year age classes (not exceeding 5 years) and appropriate modification of related age variables on selected households for all waves.

FR

CAUTION: The redesign of the survey in 2020 transformed the 9-year panel into a 4-year panel. The evolution of panel led to a reduction of the longitudinal sample size during the transition period between 2020 and 2022: longitudinal indicators, in particular those broken down by population categories should thus be considered as unreliable for SILC 2020 to SILC 2022.

DB040: Region → NUTS2

PY010G/N, PY050G/N, PY080G/N, PY090-1-2-3-4G/N, PY100-1-2-3-4G/N, PY110-1-2-3-4G/N, PY130-1-2-3-4G/N, HY020, HY022, HY023, HY040G/N, HY080G/N, HY081G/N, HY090G/N, HY130G/N, HY131G/N, HY145N

 \rightarrow Rounded to the next $10 \in$.

IE

PE041: Highest ISCED Level Attained - Group by 1 digit ISCED levels:

- → ISCED 0 No formal education or below ISCED 1
- → ISCED 1 Primary education
- → ISCED 2 Lower secondary education
- → ISCED 3 Upper secondary education
- → ISCED 4 Post-secondary non-tertiary education
- → ISCED 5 Short-cycle tertiary education
- → ISCED 6 Bachelor's or equivalent level
- → ISCED 7 Master's or equivalent level
- → ISCED 8 Doctoral or equivalent level

PL200: number of years spent in paid work – top coding

 \rightarrow > 55 = 55.

PY010G/N, PY050G/N, PY080G/N, PY090-1-2-3-4G/N, PY100-1-2-3-4G/N, PY110-1-2-3-4G/N, PY130-1-2-3-4G/N, HY020, HY022, HY023, HY040G/N, HY080G/N, HY081G/N, HY090G/N, HY130G/N, HY131G/N, HY145N

 \rightarrow Rounded to the next $10 \in$.

IS

HY010: Total household gross income

HY020: Total disposable household income

HY022: Total disposable household income before social transfers other than old-age and survivor's benefits

HY023: Total disposable household income before social transfers including old-age and survivor's benefits

HY090G: Net interest, dividends, profit from capital investment in unicorporated business

HY120G: Regular taxes on wealth

HY140G: Tax on income and social insurance contribution

- → Perturbation of 3 highest *HY010* incomes for each wave:
- selection of the 3 highest **HY010**;
- replacement of recorded value by their weighted mean for *HY010*, *HY020*, *HY022*, *HY023*, *HY090G*, *HY120G* and *HY140G*;
- proportional adjustment of the related income sub-components.

RB080: Year of birth

RX010: Age at the time of interview

RX020: Age at the end of income reference period

PB140: Year of birth

PX020: Age at the end of income reference period

 \rightarrow Random perturbation of **RB080** inside appropriate year age classes (not exceeding 5 years) and appropriate modification of related age variables for 4 household with highest **HY010** in each year, and appropriate modification for all waves.

IT

PE041: Highest ISCED level attained

 \rightarrow 300, 340, 342, 343, 344, 349, 350, 352, 353, 354, 359, 390, 392, 393, 394, 399 grouped into 300.

→ 400, 440, 450, 490 grouped into 400.

 \rightarrow 500, 540, 550, 590 grouped into 500.

 $RG_Z\#: Grid \rightarrow removed$

RB032: Sequential number of the persons in the household \rightarrow removed

HB110: Household type \rightarrow removed

RB081: Age in completed years \rightarrow removed

RB082: Age in completed years at the time of the interview \rightarrow removed

RB280: Country of birth \rightarrow removed

RB290: Citizenship $1 \rightarrow$ removed

RB285: Duration of stay in the country of residence in completed years \rightarrow removed

PB230: Country of birth of father \rightarrow removed

PB240: Country of birth of mother \rightarrow removed

LV

DB100: Degree of urbanisation

 \rightarrow Merging "2" and "1" into "1".

MT

DB100: Degree of urbanisation

 \rightarrow Merging "2" and "3" into "2".

HH030: Number of rooms available to the household

→ Top-coded at 6 as "6 or more"

→ Bottom-coded at 2 as "2 or less".

HX040, HB120: Household size

 \rightarrow Top-coded to "6".

PB190: Marital status

 \rightarrow Recoded 3 and 5 into 3.

PL051A: Occupation in main job

PL051B: Occupation (last job)

- → Grouped according to:
 - 11 14 = "1" Legislators, senior officials and managers
 - 21 26 = "2" Professionals
 - 31 35 = "3" Technicians and associate professionals
 - 41 44 = "4" Clerks
 - 51 54 ="5" Service workers and shop and market sales workers
 - 61 63 = "6" Skilled agricultural and fishery workers
 - 71 75 = "7" Craft and related trades workers
 - 81 83 = "8" Plant and machine operators and assemblers
 - 91 96 = "9" Elementary occupations
 - 01 = "10" Armed forces

RB080, PB140

- → Grouped into 5-year groups as follows:
 - 1941 or before = "1" 1941 or before
 - 1942-1946 = "2" 1942-1946
 - 1947-1951 = "3" 1947-1951
 - 1952-1956 = "4" 1952-1956
 - 1957-1961 = "5" 1957-1961
 - 1962-1966 = "6" 1962-1966
 - 1967-1971 = "7" 1967-1971
 - 1972-1976 = "8" 1972-1976
 - 1977-1981 = "9" 1977-1981
 - 1982-1986 = "10" 1982-1986
 - 1987-1991 = "11" 1987-1991
 - 1992-1996 = "12" 1992-1996
 - 1997-2001 = "13" 1997-2001
 - 2002-2006 = "14" 2002-2006
 - 2007-2011 = "15" 2007-2011
 - 2012-2016 = "16" 2012-2016
 - 2017-2021 = "17" 2017-2021

RX010, RX020:

→ Not provided

PE041: Highest ISCED level attained

- \rightarrow 5 and above for year < 2014.
- \rightarrow 500 and above for year >= 2014.
- \rightarrow 300, 340, 342, 343, 344, 350, 352, 353 and 354 grouped into one category.
- \rightarrow 400, 440 and 450 grouped into one category.

PL032: Self-defined current economic status

 \rightarrow 7 and above, top-coded to "7".

PL211A-PL211L: Main activity

 \rightarrow Merging "9" and "11" into "11".

PX020: Age at the end of the income reference period

 \rightarrow Variable to be removed.

PB230: Country of birth of father

 \rightarrow Recoded "LOC", "OTH".

PB240: Country of birth of mother

 \rightarrow Recoded "LOC", "OTH".

HH060; HH070; HH071; HX090; HY010; HY020; HY022; HY023; HY040G; HY050G; HY052G; HY053G; HY054G; HY060G; HY063G; HY070G; HY073G; HY080G; HY081G; HY090G; HY100G; HY110G; HY130G; HY131G; HY140G; HY155_1; HY155_2; HY155_3; HY155_4; PL060; PY010G; PY020G; PY021G; PY035G; PY050G; PY080G; PY090G; PY100G; PY110G; PY120G; PY130G; PY140G

As 'continuous/quantitative variables';

→ Detection and elimination of outliers in a *'unique combination'* of Sex, 5 year age group and degree of urbanisation.

If a 'continuous/quantitative variable' of a person in a 'unique combination' is an outlier then the 'continuous/quantitative variable' is bottom/top coded to the Lower / Upper risk threshold of the 'continuous/quantitative variable'.

Method of 'unique combination' (persons that are unique in their group):

- The 'unique combination' is checked in person data.
- The variables participating in the construction of the groups of 'unique combination':
 - 1. Sex (RB090)
 - 2. Age at the end of income reference period (PX020)
 - 3. Degree of urbanisation (DB100)

Outliers of the 'continuous/quantitative variables' of the persons in the 'unique combinations' are detected. If there is no 'unique combination' then there is no need to check and detect outliers.

Method of detection of outliers for each 'continuous/quantitative variables':

An outlier is a 'continuous/quantitative variable' outside the interval below.

Lower Risk Threshold < 'pro capite' value < Upper Risk Threshold

Whereby the 'pro capite' value is

- The actual value of the numeric variable divided by the total number of members in the household in case of household variables.
- The actual value (i.e. no division is done) of the variable related to individuals.

The thresholds are calculated using the whole population.

Lower Risk Threshold= Q1-3*IQR Upper Risk Threshold=Q3+3*IQR

Q1 = Quartile 1 (i.e. the 25th percentile) Q3 = Quartile 3 (i.e. the 75th percentile)

IQR = Q3-Q1

The 'continuous/quantitative variable' outliers are bottom/top coded.

Method of the top/bottom coding

- In case of household variables the Lower/Upper Risk Threshold is multiplied by the members in the household.
- In case of individuals (person-related variables) the Lower/Upper Risk Threshold (i.e. no multiplication is done) substitutes the actual value.

NL

DB040: Region

DB100: Degree of urbanisation

PL

PE041: Highest ISCED level attained

 \rightarrow Not top-coded.

PT

DB040: Region

 \rightarrow NUTS2.

RB080: Year of birth

→ Bottom coding: year of survey minus 80 and below.

PB140: Year of birth

→ Bottom coding: year of survey minus 80 and below.

PL200: number of years spent in paid work

 \rightarrow Top coding 65 and above.

PL051A: Occupation in main job

• if *PL051* in $(11,12,13,14) \rightarrow$ Grouping 14;

SI

For each wave:

DB100: Degree of urbanisation

RB285: Duration of stay in the country of residence in completed years

 \rightarrow Not provided.

RB280: Country of birth

RB290: Citizenship 1

PB230: Country of birth of father

PB240: Country of birth of mother

 \rightarrow Recoded "LOC" and "OTH" (including "EU").

PE041: Highest ISCED level attained

 \rightarrow Bottom coding: grouping 0, 1, 2 into 2 for year < 2014.

 \rightarrow Bottom coding: grouping 000, 100, 200 into 200 for year \geq 2014.

PL051A: Occupation in main job

PL051B: Occupation (last job)

→ Grouping according to the first digit.

HY040G/HY040N: Income from rental of a property or land

HY050G/HY050N: Family/Children-related allowances

HY060G/HY060N: Social exclusion not elsewhere classified

HY070G/HY070N: Housing allowances

HY090G/HY090N: Interest, dividends, profit from capital investments in

unincorporated business

HY110G/HY110N: Income received by people aged under 16

HY120G/HY120N: Regular taxes on wealth

PY035G/PY035N: Contributions to individual private pension plans

PY080G/PY080N: Pension from individual private plans

HY081G/HY081N: Alimonies received (compulsory + voluntary)

HY131G/HY131N: Alimonies paid (compulsory + voluntary)

PY021G/PY021N: Company car

HY121G/HY121N: Taxes paid on ownership of household main dwelling

- \rightarrow Top coding »10-20« (version 1), *i.e.*:
- selection of the 10 IDs with the highest original value of the gross variable;
- selection of the 10 IDs with the highest original value of the net variable;
- union of selected IDs (contains at least 10 and not more than 20 IDs);

for the IDs from the union:

- replacement of original values with weighted average for the gross variable;
- replacement of original values with weighted average for the net variable.
- \rightarrow Rounded to the nearest $10 \in$.

HY080G/HY080N: Regular inter-household cash transfer received (related variables

are *HY081G/HY081N*: Alimonies received (compulsory + voluntary))

HY130G/HY130N: Regular inter-household cash transfer paid (related variables are

HY131G/HY131N: Alimonies paid (compulsory + voluntary))

PY020G/PY020N: Non-Cash employee income (related variables are *PY021G/PY021N*: Company car)

- \rightarrow Top coding »10-40«, *i.e.*:
- selection of the 10 IDs with the highest original value of the gross variable;
- selection of the 10 IDs with the highest original value of the net variable;
- among the 10 IDs with the highest original value of the related gross variable, selection of IDs for which the original value of the gross variable is greater or equal than the original value of the related gross variable;
- among the 10 IDs with the highest original value of the related net variable, selection of IDs for which the original value of the net variable is greater or equal than the original value of the related net variable;
- union of selected IDs (contains at least 10 and not more than 40 IDs); for the IDs from the union:
- replacement of original values with weighted average for the gross variable;
- replacement of original values with weighted average for the net variable.
- \rightarrow Rounded to the nearest $10 \in$.

PY030G: Employer's social insurance contribution (related variable is **PY031G**: Optional employer's social insurance contributions)

- \rightarrow Top coding »10-20 (version 2)«, *i.e.*:
- selection of the 10 IDs with the highest original value of the variable;
- selection of the 10 IDs with the highest original value of the related variable;
- union of selected IDs (contains at least 10 and not more than 20 IDs); for the IDs from the union:
- replacement of original values with weighted average for the variable.
- \rightarrow Rounded to the nearest $10 \in$.

PY010G/PY010N: Employee cash or near cash income

PY050G/PY050N: Cash benefits or losses from self-employment

PY090G/PY090N: Unemployment benefits

PY100G/PY100N: Old-age benefits **PY110G/PY110N**: Survivor' benefits **PY120G/PY120N**: Sickness benefits **PY130G/PY130N**: Disability benefits

PY140G/PY140N: Education-related allowances

- \rightarrow Top coding »20-40«, *i.e.*:
- selection of the 20 IDs with the highest original value of the gross variable;
- selection of the 20 IDs with the highest original value of the net variable;
- union of selected IDs (contains at least 20 and not more than 40 IDs); for the IDs from the union:
- replacement of original values with weighted average for the gross variable;
- replacement of original values with weighted average for the net variable.
- \rightarrow Rounded to the nearest $10 \in$.

HY145N: Repayments/receipts for tax adjustment

- → Top coding: for the highest 10 original values, replacement of the original values with their weighted average.
- → Bottom coding: for the lowest 10 original values, replacement of the original values with their weighted average.
- \rightarrow Rounded to the nearest 10 \in .

HY010: Total household gross income

HY020: Total disposable household income

HY022: Total disposable household income before social transfers other than old-age and survivor's benefits

HY023: Total disposable household income before social transfers including old-age and survivor's benefits

HY140G/HY140N: Tax on income and social contributions – calculated as HY140G=(HY040G-HY040N) + (HY090G-HY090N)+(HY050G-HY050N)+(HY060G-HY060N)+(HY070G-HY070N)+(HY110G-HY110N)+[for all household members] (PY010G-PY010N)+ (PY021G-PY021N)+(PY050G-PY050N)+(PY080G-PY080N)+(PY190G-PY190N)+(PY110G-PY110N)+(PY120G-PY190N)+(PY120G-PY190N)+(PY120G-PY110N)+(PY120G-PY110N)+(PY120G-PY190N)+(PY120G-PY190N)+(PY120G-PY110N)+(PY120G-PY110N)+(PY120G-PY190N)+(PY190N)+(PY120G-PY190N)+(PY19N)+(PY19N)+(PY19N)+(PY19N)+(PY19N)+(PY19N)+(PY19N)+(PY19N)+(PY10N)+(PY10N)+(PY10N)+(PY10N)+(PY10N)+(PY10N)+(PY10N)+(PY10N)+(PY10N)+(PY10N)+(PY10N)+(PY10N

PY120N)+(PY130G-PY130N)+(PY140G-PY140N)+HY145N

HY140N: Tax on income and social contributions – calculated as HY140N = HY140G

HY073G: Housing allowances (NC & MT) – calculated as HY073G = HY070G

PY122G: Sickness benefits (C & NMT) – calculated as PY122G = PY120G

HX090: Equivalised disposable income

→ Computed from other (already protected) variables.

HY052G: Family/Children-related allowances (C & NMT) (related variable is HY050G)

HY053G: Family/Children-related allowances (NC & MT) (related variable is HY050G)

HY054G: Family/Children-related allowances (NC & NMT) (related variable is HY050G)

HY063G: Social exclusion not elsewhere classified (NC & MT) (related variable is HY060G)

HY064G: Social exclusion not elsewhere classified (NC & NMT) (related variable is HY060G)

PY092G: Unemployment benefits (C & NMT) (related variable is *PY090G*)

PY094G: Unemployment benefits (NC & NMT) (related variable is *PY090G*)

PY102G: Old-age benefits (C & NMT) (related variable is *PY100G*)

PY103G: Old-age benefits (NC & MT) (related variable is *PY100G*)

PY104G: Old-age benefits (NC & NMT) (related variable is *PY100G*)

PY112G: Survivor' benefits (C & NMT) (related variable is *PY110G*)

PY113G: Survivor' benefits (NC & MT) (related variable is *PY110G*)

PY114G: Survivor' benefits (NC & NMT) (related variable is *PY110G*)

PY132G: Disability benefits (C & NMT) (related variable is *PY130G*)

PY133G: Disability benefits (NC & MT) (related variable is *PY130G*)

PY134G: Disability benefits (NC & NMT) (related variable is *PY130G*)

PY143G: Education-related allowances (NC & MT) (related variable is *PY140G*)

PY144G: Education-related allowances (NC & NMT) (related variable is *PY140G*)

→ Calculate the share of the variable's value in the non-protected related variable's value. Replace the variable's value so it will have the same share in the protected related variable's value.

RB090: Sex PB150: Sex

- → Recoded sex for one partner when a couple is in a same sex relationship:
- the sex of the younger partner should be female and that of the older male;
- if a new same-sex partner moves into the household, only the sex of the new partner is adjusted.

RB081: Age in completed years (at the end of income reference period)

RB082: Age in completed years at the time of the interview

 \rightarrow 80 and above.

PL141: Permanency of main job

→ Aggregation to the following categories:

$$11 \leftarrow 11, 12$$

$$21 \leftarrow 21, 22$$

PL271: Duration of the most recent unemployment spell

→ Aggreagation to the following categories:

Other original values are not changed

UK

All records (at household and individual level) pertaining to households of size 10 and over are suppressed.

HY010: Total household gross income

HY020: Total disposable household income

HY022: Total disposable household income before social transfers other than old-age and survivor's benefits

HY023: Total disposable household income before social transfers including old-age and survivor's benefits

HY090G: Net interest, dividends, profit from capital investment in unicorporated business

HY120G: Regular taxes on wealth

HY140G: Tax on income and social insurance contribution

- → Perturbation of 3 highest *HY010* incomes for each wave:
- selection of the highest *HY010*;
- replacement of recorded value by their weighted mean for *HY010*, *HY020*, *HY022*, *HY023*, *HY090G*, *HY120G* and *HY140G*;
- proportional adjustment of the related income sub-components.

All HY and PY variables (including disaggregated variables), as well as HH060, HH061, HH070, HH071 and HS130 are rounded to the nearest 50 \in .

3. ADDITIONAL VARIABLES

RX010: Age at the time of interview

A household member coded "80" is 80 years old or over

RX010 is calculated by subtracting date of birth (in year and month) from date of interview (in year and month). **RX010** may vary from one digit compared to real age at the exact day of interview, as the day of birth is not known.

RX020: Age at the end of income reference period

A household member coded "80" is 80 or over

A household member coded "-1" is born between the end of income reference period and the data collection

HX010: Change rate

Conversion factor: euro / national currency

It is the average exchange rate based on the year prior to the survey

The value is missing when the national currency is the Euro

Income data (euro) i. e. *HY020* * *HX010* = income data (national currency)

Should you wish to compute the amount in ppp (purchasing power parities), apply:

- For countries members of the euro area: HY020/ppp
- For countries not members of the euro area: HY020*HX010/ppp

The ppp values of each country can be found in the XL-file included in the UDB documentation on CIRCABC.

HX040: Household size

Number of current household members

In practise; number of person pertaining to the same household having an observation in the R-file (personal register file)

HX050: Equivalised household size

Calculation of equivalised household size

Let us consider:

- *HM14*+: number of household members aged 14 and over (at the end of income reference period)
- *HM13*-: number of household members aged 13 or less(at the end of income reference period)

The equivalised household size is defined as:

HX050= 1+ 0.5 * (HM14+ -1) + 0.3 * HM13-

HX090: Equivalised disposable income

HX090 = (HY020 / HX050)

HX100: Equivalised disposable income quintiles

Values: 1 - 5

- 1: household pertains to the lower (1st) quintile
- 2: household pertains to the 2nd quintile
- 3: household pertains to the 3rd quintile
- 4: household pertains to the 4th quintile
- 5: household pertains to the upper (5th) quintile

PX010: Change rate

Conversion factor: euro / national currency

It is the average exchange rate based on the year prior to the survey

The value is missing when the national currency is the Euro

Income data (euros) * **PX010** = income data (national currency)

PX020: Age at the end of the income reference period

A household member coded "80" has 80 or over

A household member coded "-1" is born between the end of income reference period and the data collection

PX030: Household identification number

PX030 = DB030

PX040: Selected respondent status

PX040 = RB245

Income flags

- 1) HY040N, HY050N, HY060N, HY070N, HY080N, HY081N, HY090N, HY110N, HY130N, HY131N, HY170N, PY010N, PY020N, PY021N, PY050N, PY070N, PY080N, PY090N, PY100N, PY110N, PY120N, PY130N, PY140N:
 - *VAR_F* contains 2 digits: 1st digit=collected net or gross + 2nd digit=type of net recorded value
 - *VAR_I* contains: first digit=imputation method + from the 2nd digit=imputation factor
- 2) HY100N, HY120N, HY140N, HY145N, HY040G, HY050G, HY060G, HY070G, HY080G, HY081G, HY090G, HY100G, HY110G, HY120G, HY130G, HY140G, HY170G, HY010, HY020, HY022, HY023, PY035N, PY010G, PY020G, PY021G, PY030G, PY035G, PY050G, PY070G, PY080G, PY090G, PY100G, PY110G, PY120G, PY130G, PY140G:
 - *VAR_F* contains only collected net or gross.

• VAR_I contains: 1st digit=imputation method + from the 2nd digit=imputation factor. If VAR_F = "-" or "0" then VAR_I =.

Definition in Doc65:

Imputation factor = (collected value / recorded value) * 100

Example:

Collected value = 912

Recorded value = 1000

Imputation factor to be recorded: 091

4. VARIABLE CONTENT

D-file variables

Position	Variable
1	DB010
2	DB020
3	DB030
4	DB040
6	DB050
8	DB060
10	DB062
12	DB070
14	DB075
16	DB076
18	DB095
20	DB100
22	DB110
5	DB040_F
7	DB050_F
9	DB060_F
11	DB062_F
13	DB070_F
15	DB075_F
17	DB076_F
19	DB095_F
21	DB100_F
23	DB110_F

H-file variables

Position	Variable
1	HB010
2	HB020
3	HB030
4	HB050
6	HB060
8	HB070
10	HB100
12	HB110
14	HB120
16	HB130
5	HB050_F
7	HB060_F
9	HB070_F
11	HB100_F
13	HB110_F
15	HB120_F

Position Variable 17 HB130_F 193 HD080 194 HD080_F 183 HH010 185 HH021 187 HH030 189 HH050 191 HH060 184 HH021_F 188 HH030_F 190 HH050_F 191 HH060_F 192 HH060_F 193 HI030 201 HI030 202 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 198 HI020_F 199 HS021 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS100 173 HS090 174 HS040 160 HS011_F <		
193 HD080 194 HD080_F 183 HH010 185 HH021 187 HH030 189 HH050 191 HH060 184 HH010_F 186 HH021_F 188 HH030_F 190 HH050_F 191 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040 196 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS040 179 HS150 171 HS150 171 HS150 172 HS060_F 174 HS090_F 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS060_F 178 HS100_F 179 HS100_F 170 HS050_F 171 HS060_F 172 HS060_F 174 HS090_F 175 HS100_F 176 HS100_F 177 HS100_F 178 HS100_F 179 HS100_F 170 HS050_F 171 HS060_F 171 HS060_F 172 HS060_F 173 HS090_F 174 HS090_F 175 HS100_F 176 HS100_F 177 HS100_F 178 HS110_F 180 HS120_F 178 HS100_F 179 HS050_F 170 HS050_F	Position	Variable
194 HD080_F 183 HH010 185 HH021 187 HH030 189 HH050 191 HH060 184 HH010_F 186 HH021_F 188 HH030_F 190 HH050_F 191 HH060_F 192 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 199 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS060_F 178 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS060_F 178 HS100_F 179 HS060_F 170 HS060_F 171 HS060_F 172 HS060_F 173 HS090_F 174 HS090_F 175 HS100_F 176 HS100_F 177 HS10_F 177 HS060_F 178 HS10_F 178 HS10_F 179 HS060_F 170 HS050_F 171 HS060_F 172 HS060_F 173 HS090_F 174 HS090_F 175 HS10_F 176 HS10_F 177 HS10_F 178 HS110_F 178 HS110_F 179 HS100_F 178 HS10_F 179 HS060_F 179 HS060_F 170 HS060_F 171 HS090_F 171 HS090_F 172 HS060_F 173 HS090_F 174 HS090_F 175 HS10_F 175 HS10_F 176 HS10_F 177 HS10_F 178 HS110_F	17	HB130_F
183 HH010 185 HH021 187 HH030 189 HH050 191 HH060 184 HH010_F 186 HH021_F 188 HH030_F 190 HH050_F 191 HH060_F 192 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS060_F 178 HS100_F 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS060_F 178 HS100_F 179 HS100_F 170 HS050_F 171 HS060_F 172 HS060_F 173 HS090_F 174 HS090_F 175 HS100_F 176 HS100_F 177 HS110_F 180 HS120_F 181 HS10_F 181 HS10_F 182 HS150_F 183 HS10_F 184 HS10_F 185 HS10_F 186 HS10_F 187 HS10_F 187 HS10_F 188 HS110_F 188 HS10_F 189 HS10_F 180 HS10_F 180 HS10_F 180 HS10_F 181 HS10_F 182 HS150_F 183 HX010 204 HX050	193	HD080
185 HH021 187 HH030 189 HH050 191 HH060 184 HH010_F 186 HH021_F 188 HH030_F 190 HH050_F 191 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 165 HS031_F 167 HS040_F 179 HS150 171 HS150 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS060_F 178 HS100_F 179 HS060_F 170 HS060_F 171 HS060_F 172 HS060_F 173 HS090_F 174 HS090_F 175 HS100_F 176 HS100_F 177 HS10_F 178 HS110_F 180 HS120_F 178 HS10_F 179 HS120_F 170 HS050_F 171 HS060_F 172 HS060_F 173 HS090_F 174 HS090_F 175 HS10_F 176 HS10_F 177 HS10_F 177 HS10_F 178 HS110_F 179 HS120_F 170 HS050_F 171 HS060_F 171 HS060_F 172 HS060_F 173 HS10_F 174 HS090_F 175 HS10_F 176 HS10_F 177 HS10_F 177 HS10_F 178 HS110_F 179 HS120_F 179 HS050_F 170 HS050_F 171 HS050_F 172 HS060_F 174 HS090_F 175 HS10_F 176 HS10_F 177 HS10_F 177 HS10_F 178 HS110_F 178 HS110_F 179 HS100_F 179 HS050_F 170 HS050_F 171 HS050_F 171 HS050_F 172 HS060_F 173 HS10_F 174 HS090_F 175 HS10_F 175 HS10_F 176 HS10_F 177 HS10_F 177 HS10_F 178 HS10_F 179 HS050_F 170 HS050_F	194	HD080_F
187 HH030 189 HH050 191 HH060 184 HH010_F 186 HH021_F 188 HH030_F 190 HH050_F 192 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS040_F 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS060_F 178 HS100_F 179 HS100_F 170 HS060_F 171 HS060_F 172 HS060_F 173 HS090_F 174 HS090_F 175 HS100_F 176 HS100_F 177 HS110_F 180 HS120_F 181 HS150_F 182 HS150_F 183 HS10_F 184 HS10_F 185 HS10_F 186 HS10_F 187 HS10_F 187 HS10_F 188 HS10_F 188 HS10_F 189 HS10_F 189 HS10_F 180 HS10_F 180 HS10_F 180 HS10_F 180 HS10_F 180 HS10_F 180 HS10_F 181 HS10_F 182 HS150_F 183 HX010 184 HX040 185 HX050	183	HH010
189 HH050 191 HH060 184 HH010_F 186 HH021_F 188 HH030_F 190 HH050_F 191 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 165 HS031_F 167 HS060_F 178 HS040_F 179 HS150_F 170 HS060_F 171 HS060_F 172 HS060_F 174 HS090_F 175 HS100_F 176 HS100_F 177 HS110_F 181 HS150_F 182 HS150_F 183 HS10_F 184 HS10_F 185 HS10_F 187 HS10_F 188 HS10_F 188 HS10_F 188 HS10_F 189 HS120_F 189 HS150_F 180 HS120_F 181 HS10_F 181 HS10_F 182 HS150_F 183 HS10_F 184 HS10_F 185 HS10_F 186 HS040_F 177 HS060_F 178 HS110_F 187 HS100_F 178 HS110_F 188 HS110_F 189 HS150_F 189 HS150_F 180 HX040 180 HX050	185	HH021
191 HH060 184 HH010_F 186 HH021_F 188 HH030_F 190 HH050_F 192 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS060_F 178 HS090_F 179 HS060_F 170 HS060_F 171 HS060_F 172 HS060_F 174 HS090_F 175 HS100_F 176 HS100_F 177 HS110_F 180 HS120_F 178 HS10_F 179 HS10_F 170 HS05_F 171 HS06_F 172 HS06_F 173 HS10_F 174 HS09_F 175 HS10_F 176 HS10_F 177 HS10_F 178 HS10_F 179 HS10_F 170 HS05_F 171 HS06_F 171 HS09_F 172 HS06_F 173 HS10_F 174 HS09_F 175 HS10_F 176 HS10_F 177 HS10_F 178 HS110_F 180 HS120_F 178 HS150_F 179 HX040 204 HX040 205 HX050	187	HH030
184 HH010_F 186 HH021_F 188 HH030_F 190 HH050_F 192 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS040_F 178 HS040_F 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS060_F 178 HS100_F 179 HS100_F 179 HS100_F 170 HS050_F 171 HS060_F 171 HS060_F 172 HS060_F 173 HS10_F 180 HS110_F 181 HS110_F 182 HS150_F 182 HS150_F 183 HS110_F 184 HS110_F 186 HS040_F 177 HS060_F 178 HS110_F 178 HS110_F 180 HS120_F 181 HS10_F 182 HS150_F 182 HS150_F 183 HX010 204 HX040 205 HX050	189	HH050
186 HH021_F 188 HH030_F 190 HH050_F 191 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 167 HS040_F 178 HS040_F 170 HS050_F 171 HS060_F 172 HS060_F 174 HS090_F 175 HS100_F 176 HS100_F 177 HS10_F 180 HS120_F 181 HS10_F 182 HS150_F 182 HS150_F 183 HS10_F 184 HS10_F 186 HS040_F 177 HS10_F 178 HS110_F 180 HS120_F 181 HS10_F 182 HS150_F 182 HS150_F 183 HS10_F 184 HS140_F 186 HS040_F 177 HS060_F 178 HS10_F 178 HS10_F 180 HS120_F 181 HS150_F 182 HS150_F 182 HS150_F 183 HX010 204 HX040 205 HX050	191	HH060
188 HH030_F 190 HH050_F 192 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS060_F 171 HS060_F 172 HS060_F 174 HS090_F 176 HS100_F 177 HS10_F 180 HS120_F 181 HS150_F 182 HS150_F 182 HS150_F 183 HS10_F 184 HS120_F 185 HS10_F 176 HS100_F 1778 HS10_F 178 HS10_F 178 HS10_F 179 HS10_F 170 HS05_F 171 HS06_F 172 HS06_F 173 HS10_F 174 HS09_F 175 HS10_F 176 HS10_F 177 HS10_F 178 HS10_F 178 HS10_F 179 HS150_F 170 HS05_F 171 HS06_F 171 HS06_F 172 HS06_F 173 HS10_F 174 HS10_F 175 HS10_F 176 HS10_F 177 HS150_F 178 HS150_F 179 HS05_F 170 HS05_F 170 HS05_F 171 HS05_F 171 HS05_F 172 HS05_F 173 HS01_F 174 HS05_F 175 HS15_F 175 HS15_F 176 HS10_F 177 HS15_F 177 HS15_F 178 HS15_F 179 HX05_F 179 HX05_F 170 HX05_F	184	HH010_F
190 HH050_F 192 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 171 HS060_F 172 HS060_F 174 HS090_F 176 HS100_F 177 HS110_F 181 HS10_F 182 HS150_F 183 HS10_F 184 HS10_F 187 HS10_F 188 HS10_F 188 HS10_F 189 HS12_F 180 HS10_F 178 HS10_F 180 HS10_F 178 HS10_F 180 HS10_F 180 HS12_F	186	HH021_F
192 HH060_F 195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS060_F 171 HS060_F 172 HS060_F 174 HS090_F 176 HS100_F 177 HS110_F 180 HS120_F 181 HS120_F 182 HS150_F 182 HS150_F 183 HS10_F 184 HS150_F 185 HS150_F 186 HS040_F 177 HS060_F 178 HS100_F	188	HH030_F
195 HI010 197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS060_F 171 HS060_F 172 HS060_F 174 HS090_F 176 HS10_F 180 HS120_F 181 HS150_F 182 HS150_F 182 HS150_F 183 HS10_F 184 HS10_F 186 HS10_F 177 HS10_F 187 HS10_F 188 HS10_F 189 HS10_F 180 HS10_F 180 HS10_F 181 HS10_F 182 HS150_F 182 HS150_F 183 HX010 204 HX040	190	HH050_F
197 HI020 199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 202 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS060_F 171 HS060_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 181 HS150_F 182 HS150_F 182 HS150_F 183 HX010 204 HX040 205 HX050	192	HH060_F
199 HI030 201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 202 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS060_F 171 HS060_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 181 HS150_F 182 HS150_F 182 HS150_F 183 HS10_F 184 HS150_F 186 HS040_F 177 HS060_F 178 HS100_F	195	HI010
201 HI040 196 HI010_F 198 HI020_F 200 HI030_F 202 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS060_F 171 HS060_F 172 HS060_F 174 HS090_F 176 HS10_F 181 HS10_F 182 HS150_F 182 HS150_F 182 HS150_F 184 HS10_F 186 HS040_F 177 HS10_F 178 HS110_F 178 HS110_F 180 HS120_F 178 HS10_F 178 HS10_F 180 HS10_F 181 HS10_F 182 HS150_F 182 HS150_F 183 HX010 204 HX040 205 HX050	197	HI020
196 HI010_F 198 HI020_F 200 HI030_F 202 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 181 HS150_F 182 HS150_F 182 HS150_F 183 HS10_F 184 HS150_F 186 HS040_F 177 HS060_F 178 HS100_F 179 HS050_F 170 HS050_F 171 HS050_F 171 HS050_F 172 HS050_F 173 HS100_F 174 HS050_F 175 HS100_F 176 HS100_F 177 HS050_F 178 HS100_F 179 HS150_F 180 HS150_F 180 HX050		
198 HI020_F 200 HI030_F 201 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS060_F 171 HS060_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 181 HS150_F 182 HS150_F 182 HS150_F 182 HS150_F 183 HX010 204 HX040 205 HX050		
200 HI030_F 202 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 181 HS10_F 182 HS150_F 182 HS150_F 182 HS150_F 184 HS040 204 HX040 205 HX050		_
202 HI040_F 159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS060_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 181 HS150_F 182 HS150_F 182 HS150_F 182 HS150_F 203 HX010 204 HX040 205 HX050	198	_
159 HS011 161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 181 HS150_F 182 HS150_F 182 HS150_F 182 HS150_F 184 HS10_F 186 HS040_F 177 HS090_F 178 HS10_F 178 HS10_F 178 HS10_F 180 HS10_F 180 HS120_F 181 HS150_F 182 HS150_F 183 HX010 184 HX040 185 HX050		_
161 HS021 163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 181 HS150_F 182 HS150_F 182 HS150_F 184 HS040 187 HX040 188 HX040		_
163 HS022 165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS060_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 182 HS150_F 203 HX010 204 HX040		
165 HS031 167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 182 HS150_F 203 HX010 204 HX040		
167 HS040 169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 182 HS150_F 203 HX010 204 HX040		
169 HS050 171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 182 HS150_F 203 HX010 204 HX040		
171 HS060 173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		
173 HS090 175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 170 HS050_F 171 HS060_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		
175 HS100 177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040		
177 HS110 179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040		
179 HS120 181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040		
181 HS150 160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040		
160 HS011_F 162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		
162 HS021_F 164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		
164 HS022_F 166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		
166 HS031_F 168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		_
168 HS040_F 170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		
170 HS050_F 172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		
172 HS060_F 174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		
174 HS090_F 176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		_
176 HS100_F 178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		
178 HS110_F 180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		_
180 HS120_F 182 HS150_F 203 HX010 204 HX040 205 HX050		
182 HS150_F 203 HX010 204 HX040 205 HX050		
203 HX010 204 HX040 205 HX050		
204 HX040 205 HX050		
205 HX050		
200 HXU9U		
	206	HXU90

D - 101	W
Position	Variable
207	HX100
18	HY010
21	HY020
24	HY022
27	HY023
19	HY010_F
20	HY010_IF
22	HY020_F
23	HY020_IF
25	HY022_F
26	HY022_IF
28	HY023_F
29	HY023_IF
78	HY040G
79	HY040G_F
80	HY040G_IF
30	HY040N
31	HY040N_F
32	HY040N_IF
81	HY050G
82	HY050G_F
83	HY050G_IF
33	HY050N
35	HY050N_F HY050N IF
123	HY051G
123	HY051G F
125	HY051G IF
126	HY052G
127	HY052G F
128	HY052G IF
129	HY053G
130	HY053G F
131	HY053G_IF
132	HY054G
133	HY054G_F
134	HY054G_IF
84	HY060G
85	HY060G_F
86	HY060G_IF
36	HY060N
37	HY060N_F
38	HY060N_IF
135	HY061G
136	HY061G_F
137	HY061G_IF
138	HY062G
139	HY062G_F
140	HY062G_IF

Position Variable 141 HY063G_F 143 HY063G_IF 144 HY064G_IF 145 HY064G_IF 87 HY070G 88 HY070G_IF 89 HY070N_IF 40 HY070N_IF 41 HY070IG_IF 148 HY071G_IF 149 HY071G_IF 150 HY072G_IF 151 HY072G_IF 152 HY072G_IF 153 HY073G_IF 154 HY073G_IF 155 HY073G_IF 156 HY074G_IF 157 HY074G_IF 158 HY074G_IF 159 HY080G_IF 140 HY080G_IF 141 HY080N_IF 142 HY080N_IF 143 HY081G_IF 144 HY081N_IF 145 HY081N_IF 146 HY081N_IF 147 HY081N_IF 148		
142 HY063G_F 143 HY063G_IF 144 HY064G 145 HY064G_F 146 HY064G_IF 87 HY070G 88 HY070G_F 89 HY070N_IF 41 HY070N_IF 41 HY071G_IF 148 HY071G_IF 149 HY071G_IF 150 HY072G_IF 151 HY072G_F 152 HY072G_IF 153 HY073G_IF 154 HY073G_IF 155 HY073G_IF 156 HY074G_IF 157 HY074G_IF 158 HY074G_IF 158 HY074G_IF 159 HY080G_IF 42 HY080N_IF 42 HY080N_IF 44 HY080N_IF 45 HY081G_IF 46 HY081N_IF 47 HY081G_IF 48 HY090G_IF 49 HY081G_IF 41 HY081N_IF 42 HY080N_IF 43 HY081G_IF 44 HY080N_IF 45 HY081N_IF 46 HY081N_IF 47 HY081N_IF 48 HY090G_IF 48 HY090G_IF 49 HY090G_IF 49 HY090G_IF 41 HY090G_IF 42 HY090G_IF 43 HY090G_IF 44 HY090N_IF 45 HY090G_IF 46 HY090G_IF 47 HY090G_IF 48 HY090N_IF 50 HY090G_IF 48 HY090N_IF 50 HY090G_IF 48 HY090N_IF 51 HY100N_IF 52 HY100N_IF 53 HY100N_IF	Position	Variable
143 HY063G_IF 144 HY064G 145 HY064G_F 146 HY064G_IF 87 HY070G 88 HY070G_F 89 HY070N_IF 39 HY070N_IF 41 HY071G_IF 147 HY071G_IF 148 HY071G_IF 150 HY072G_IF 151 HY072G_IF 152 HY072G_IF 153 HY073G_IF 154 HY073G_F 155 HY073G_IF 156 HY074G_IF 157 HY074G_IF 158 HY074G_IF 158 HY074G_IF 159 HY080G_IF 42 HY080N_IF 42 HY080N_IF 43 HY080N_IF 44 HY080N_IF 45 HY081G_IF 47 HY081G_IF 48 HY081G_IF 49 HY080R_IF 41 HY080N_IF 42 HY080N_IF 43 HY080N_IF 44 HY080N_IF 45 HY081N_IF 46 HY081N_IF 47 HY081N_IF 48 HY090G_IF 49 HY090G_IF 41 HY090R_IF 42 HY090N_IF 43 HY090R_IF 44 HY090N_IF 45 HY090R_IF 46 HY090N_IF 47 HY090G_IF 48 HY090N_IF 49 HY090G_IF 48 HY090N_IF 50 HY090N_IF 51 HY100R_IF 51 HY100N_IF 52 HY100N_IF	141	HY063G
144 HY064G 145 HY064G_F 146 HY064G_F 146 HY070G 88 HY070G_F 89 HY070N 40 HY070N_F 41 HY071G_F 147 HY071G_F 148 HY071G_F 149 HY072G_F 150 HY072G_F 151 HY072G_F 153 HY073G_F 154 HY073G_F 155 HY073G_F 156 HY074G_F 157 HY074G_F 158 HY074G_F 158 HY074G_F 158 HY074G_F 159 HY080G 91 HY080G 91 HY080G_F 92 HY080G_F 92 HY080N 43 HY080N_F 44 HY080N_F 44 HY080N_F 45 HY081R 96 HY081G_F 97 HY081G_F 98 HY090G_F 98 HY090G_F 98 HY090G_F 99 HY090G_F 99 HY090G_F 98 HY090G_F 99 HY090G_F 99 HY090G_F 91 HY090G_F 91 HY090G_F 91 HY090G_F 92 HY090G_F 93 HY090G_F 94 HY090G_F 95 HY090G_F 96 HY090G_F 97 HY090G_F 98 HY090G_F 98 HY090G_F 99 HY090G_F	142	HY063G_F
145 HY064G_F 146 HY064G_IF 87 HY070G 88 HY070G_F 89 HY070N 40 HY070N_F 41 HY071G 148 HY071G_F 149 HY071G_IF 150 HY072G 151 HY072G_F 152 HY072G_IF 153 HY073G 154 HY073G_F 155 HY073G_IF 156 HY074G 157 HY074G_IF 158 HY074G_IF 90 HY080G 91 HY080G 91 HY080G_IF 42 HY080N 43 HY080N_F 44 HY080N_IF 93 HY081G_IF 45 HY081G_IF 46 HY081N_F 47 HY081N_IF 96 HY080G 97 HY080G_IF 48 HY090G 97 HY090G_IF 48 HY090N_IF 98 HY090G_IF 48 HY090N_IF 99 HY090G_IF 49 HY090G_IF 41 HY090N_IF 42 HY090N_IF 43 HY090N_IF 44 HY090N_IF 45 HY090N_IF 46 HY090N_IF 47 HY090G_IF 48 HY090N_IF 49 HY090G_IF 48 HY090N_IF 50 HY090G_IF 48 HY090N_IF 51 HY100N_IF 52 HY100N_IF 53 HY100N_IF 53 HY100N_IF	143	HY063G_IF
146 HY064G_IF 87 HY070G 88 HY070G_F 89 HY070N 40 HY070N_F 41 HY071G 148 HY071G_F 149 HY071G_IF 150 HY072G 151 HY072G_IF 152 HY072G_IF 153 HY073G_IF 154 HY073G_F 155 HY073G_IF 156 HY074G_IF 157 HY074G_IF 158 HY074G_IF 158 HY074G_IF 158 HY074G_IF 159 HY080G 91 HY080G 91 HY080G 91 HY080G_IF 42 HY080N 43 HY080N_F 44 HY080N_IF 45 HY081N_IF 96 HY081G 97 HY081G_IF 47 HY081N_IF 96 HY090G 97 HY090G_IF 48 HY090G 97 HY090G_IF 48 HY090N 49 HY090G_IF 49 HY090G_IF 41 HY090N_IF 42 HY090N_IF 43 HY090N_IF 44 HY090N_IF 45 HY090G_IF 46 HY090G_IF 47 HY090G_IF 48 HY090N_IF 49 HY090G_IF 49 HY090G_IF 41 HY090N_IF 41 HY090N_IF 42 HY090N_IF 43 HY090N_IF 44 HY090N_IF 45 HY090N_IF 46 HY090N_IF 47 HY090N_IF 48 HY090N_IF 49 HY100G_IF 48 HY090N_IF 49 HY100G_IF 49 HY100N_IF 50 HY100N_IF	144	HY064G
87 HY070G 88 HY070G_F 89 HY070N 40 HY070N_F 41 HY070N_IF 147 HY071G 148 HY071G_F 149 HY071G_IF 150 HY072G_F 151 HY072G_F 152 HY072G_IF 153 HY073G_IF 156 HY073G_IF 156 HY074G_IF 157 HY074G_F 158 HY074G_IF 158 HY074G_IF 159 HY080G_IF 42 HY080N 43 HY080N_IF 42 HY080N 43 HY080N_IF 44 HY080N_IF 45 HY081G_IF 46 HY081N_IF 97 HY081G_IF 47 HY081R_IF 98 HY081R_IF 99 HY080G_IF 41 HY080N_IF 42 HY080N_IF 43 HY081R_IF 44 HY080N_IF 45 HY081N_IF 46 HY081N_IF 47 HY081N_IF 48 HY090G_IF 49 HY090G_IF 49 HY090G_IF 41 HY090G_IF 42 HY090R_IF 43 HY090R_IF 44 HY090N_IF 45 HY090R_IF 46 HY090R_IF 47 HY090R_IF 48 HY090N_IF 49 HY090G_IF 48 HY090N_IF 50 HY090G_IF 51 HY100R_IF 51 HY100N_IF 52 HY100N_IF	145	HY064G_F
88 HY070G_F 89 HY070G_IF 39 HY070N 40 HY070N_F 41 HY070N_IF 147 HY071G_IF 148 HY071G_IF 150 HY072G 151 HY072G_IF 152 HY072G_IF 153 HY073G_IF 154 HY073G_F 155 HY073G_IF 156 HY074G_IF 157 HY074G_IF 158 HY074G_IF 158 HY074G_IF 159 HY080G 91 HY080G 91 HY080G 91 HY080G_IF 42 HY080N 43 HY080N_IF 44 HY080N_IF 45 HY081G_IF 46 HY081N_IF 47 HY081N_IF 46 HY081N_IF 47 HY081N_IF 48 HY090G 97 HY090G_IF 48 HY090G 97 HY090G_IF 48 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_IF 52 HY100N_IF	146	HY064G_IF
89 HY070G_IF 39 HY070N 40 HY070N_F 41 HY070N_F 41 HY071G_F 148 HY071G_F 149 HY072G_IF 150 HY072G_IF 151 HY072G_F 152 HY072G_IF 153 HY073G_IF 154 HY073G_F 155 HY073G_IF 156 HY074G_IF 157 HY074G_IF 158 HY074G_IF 158 HY074G_IF 158 HY074G_IF 159 HY080G_IF 42 HY080N 43 HY080N_F 44 HY080N_IF 45 HY081G_IF 46 HY081N_IF 47 HY081R_IF 48 HY090G_IF 49 HY080G_IF 49 HY081G_IF 41 HY081N_IF 42 HY081N_IF 43 HY081N_IF 44 HY081N_IF 45 HY090G_IF 46 HY090G_IF 47 HY081N_IF 48 HY090R_IF 49 HY090G_IF 48 HY090R_IF 49 HY090G_IF 48 HY090N_IF 50 HY090G_IF 48 HY090N_IF 51 HY100G_IF 51 HY100N_IF 52 HY100N_IF	87	HY070G
39 HY070N 40 HY070N_F 41 HY070N_F 41 HY071G 148 HY071G_F 149 HY071G_IF 150 HY072G 151 HY072G_F 152 HY072G_IF 153 HY073G_F 155 HY073G_IF 156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_F 92 HY080G_IF 42 HY080N 43 HY080N_F 44 HY080N_IF 93 HY081G_F 94 HY081G_F 95 HY081G_IF 45 HY081N_F 46 HY081N_F 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N 49 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_IF	88	
40 HY070N_F 41 HY070N_F 41 HY070N_IF 147 HY071G 148 HY071G_F 149 HY071G_IF 150 HY072G 151 HY072G_F 152 HY072G_IF 153 HY073G_IF 156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_F 92 HY080G_IF 42 HY080N 43 HY080N_F 44 HY080N_IF 93 HY081G_F 95 HY081G_IF 45 HY081N_IF 96 HY081N_IF 97 HY090G_F 98 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N 49 HY090N_F 40 HY090N_F 41 HY090N_F 42 HY090N_F 43 HY090N_F 44 HY090N_F 45 HY090N_F 46 HY090N_F 47 HY090G_IF 48 HY090N_F 49 HY090G_IF 48 HY090N_F 50 HY090G_IF 51 HY100N_IF 51 HY100N_IF	89	HY070G_IF
41 HY070N_IF 147 HY071G 148 HY071G_F 149 HY071G_IF 150 HY072G_F 151 HY072G_F 152 HY072G_IF 153 HY073G_F 154 HY073G_F 155 HY073G_IF 156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_IF 42 HY080N 43 HY080N_IF 44 HY080N_IF 93 HY081G_F 94 HY081G_F 95 HY081G_IF 46 HY081N_IF 96 HY081N_IF 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N 49 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_IF 52 HY100N_IF	39	
147 HY071G 148 HY071G_F 149 HY071G_IF 150 HY072G 151 HY072G_F 152 HY073G_IF 153 HY073G_F 154 HY073G_F 155 HY073G_IF 156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_IF 42 HY080N 43 HY080N_IF 44 HY080N_IF 93 HY081G_IF 45 HY081G_IF 46 HY081N_IF 97 HY081G_IF 47 HY081N_IF 48 HY090G 97 HY090G_IF 48 HY090G 97 HY090G_IF 48 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_IF	40	HY070N_F
148 HY071G_F 149 HY071G_IF 150 HY072G 151 HY072G_F 152 HY072G_IF 153 HY073G_IF 154 HY073G_F 155 HY073G_IF 156 HY074G_IF 157 HY074G_IF 158 HY074G_IF 158 HY074G_IF 158 HY080G_IF 140 HY080G_IF 157 HY080G_IF 158 HY080N_IF 159 HY080N_IF 150 HY080N_IF 151 HY080N_IF 152 HY080N_IF 153 HY081G_IF 154 HY081N_IF 155 HY081N_IF 156 HY081N_IF 157 HY081N_IF 158 HY090G_IF 159 HY090G_IF 159 HY090G_IF 150 HY090N_IF 150 HY090N_IF 150 HY090N_IF 151 HY100G_IF 151 HY100N_IF 152 HY100N_IF 153 HY100N_IF		
149 HY071G_IF 150 HY072G 151 HY072G_F 152 HY072G_IF 153 HY073G_IF 154 HY073G_F 155 HY073G_IF 156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_IF 42 HY080N_IF 44 HY080N_IF 93 HY081G_F 94 HY081G_IF 45 HY081N_IF 95 HY081B_IF 46 HY081N_IF 47 HY081N_IF 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_IF	147	HY071G
150 HY072G 151 HY072G_F 152 HY072G_IF 153 HY073G 154 HY073G_F 155 HY073G_IF 156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_F 92 HY080G_IF 42 HY080N 43 HY080N_IF 44 HY081N_IF 95 HY081G_IF 45 HY081N 46 HY081N_IF 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N 49 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_IF		_
151 HY072G_F 152 HY072G_F 153 HY073G 154 HY073G_F 155 HY073G_IF 156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_F 92 HY080N_IF 42 HY080N_IF 43 HY080N_IF 44 HY080N_IF 93 HY081G_F 94 HY081G_F 95 HY081G_IF 45 HY081N_IF 96 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N_IF 99 HY100G_IF 100 HY100G_IF 101 HY100G_IF 101 HY100N_IF 51 HY100N_IF		_
152 HY072G_IF 153 HY073G 154 HY073G_F 155 HY073G_IF 156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_IF 42 HY080N_IF 44 HY080N_IF 93 HY081G_IF 45 HY081G_IF 46 HY081N_IF 97 HY081G_IF 47 HY081N_IF 48 HY090G_IF 49 HY090G_IF 49 HY090G_IF 40 HY090G_IF 41 HY090N_IF 42 HY090N_IF 43 HY090N_IF 44 HY090N_IF 45 HY090N_IF 46 HY090N_IF 47 HY090N_IF 48 HY090N_IF 49 HY100G_IF 48 HY090N_IF 49 HY100G_IF 41 HY100G_IF 42 HY100N_IF 43 HY100N_IF 44 HY100N_IF 45 HY100N_IF		
153 HY073G 154 HY073G_F 155 HY073G_IF 156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_F 92 HY080N_IF 42 HY080N_IF 44 HY080N_IF 45 HY081G_F 95 HY081G_IF 45 HY081N_IF 46 HY081N_IF 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_IF		_
154 HY073G_F 155 HY073G_IF 156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_F 92 HY080G_IF 42 HY080N_IF 44 HY080N_IF 93 HY081G_F 94 HY081G_F 95 HY081R_IF 45 HY081N_IF 46 HY081N_IF 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N_IF 99 HY090N_IF 50 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_IF		
155 HY073G_IF 156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_F 92 HY080G_IF 42 HY080N_IF 44 HY080N_IF 93 HY081G_F 94 HY081G_F 95 HY081G_IF 46 HY081N_IF 47 HY081N_IF 96 HY090G_F 98 HY090G_F 98 HY090G_IF 48 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_IF		
156 HY074G 157 HY074G_F 158 HY074G_IF 90 HY080G 91 HY080G_F 92 HY080N 43 HY080N_F 44 HY080N_IF 93 HY081G_F 94 HY081G_F 95 HY081S_IF 45 HY081N_F 46 HY081N_F 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N 49 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N_F 52 HY100N_F		- · · · -
157 HY074G_F 158 HY074G_F 90 HY080G 91 HY080G_F 92 HY080G_IF 42 HY080N_F 44 HY080N_IF 93 HY081G_F 95 HY081G_IF 45 HY081N_F 46 HY081N_F 47 HY081N_IF 96 HY090G_F 98 HY090G_F 98 HY090G_F 98 HY090N_F 50 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N_F 52 HY100N_F		
158 HY074G_IF 90 HY080G 91 HY080G_F 92 HY080G_IF 42 HY080N_F 44 HY080N_IF 93 HY081G_F 94 HY081G_F 95 HY081G_IF 45 HY081N_IF 46 HY081N_IF 47 HY081N_IF 96 HY090G_F 98 HY090G_F 98 HY090G_IF 48 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N_IF 52 HY100N_IF		
90 HY080G 91 HY080G_F 92 HY080G_IF 42 HY080N_F 44 HY080N_IF 93 HY081G_F 95 HY081G_IF 45 HY081N_F 46 HY081N_F 47 HY081N_IF 96 HY090G_F 98 HY090G_IF 48 HY090N_IF 49 HY090N_IF 50 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_IF 52 HY100N_IF		_
91 HY080G_F 92 HY080G_IF 42 HY080N 43 HY080N_F 44 HY080N_IF 93 HY081G_F 95 HY081G_IF 45 HY081N_F 46 HY081N_F 47 HY081N_IF 96 HY090G_F 98 HY090G_IF 48 HY090N_F 50 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_F 52 HY100N_F 53 HY100N_IF		_
92 HY080G_IF 42 HY080N 43 HY080N_F 44 HY080N_IF 93 HY081G_F 95 HY081G_IF 45 HY081N_F 47 HY081N_IF 96 HY090G_F 98 HY090G_IF 48 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N_F 52 HY100N_F 53 HY100N_IF		
42 HY080N 43 HY080N_F 44 HY080N_F 93 HY081G 94 HY081G_F 95 HY081G_IF 45 HY081N_F 46 HY081N_F 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N 49 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F		
43 HY080N_F 44 HY080N_IF 93 HY081G 94 HY081G_F 95 HY081G_IF 45 HY081N_F 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090N_IF 49 HY090N_IF 99 HY100G 100 HY100G_IF 101 HY100G_IF 51 HY100N_F 53 HY100N_IF		
44 HY080N_IF 93 HY081G 94 HY081G_F 95 HY081G_IF 45 HY081N_F 46 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N_IF 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_IF 53 HY100N_IF		
93 HY081G 94 HY081G_F 95 HY081G_IF 45 HY081N_F 46 HY081N_F 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090N_F 49 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F		_
94 HY081G_F 95 HY081G_IF 45 HY081N 46 HY081N_F 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		_
95 HY081G_IF 45 HY081N 46 HY081N_F 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090N_IF 48 HY090N_IF 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		
45 HY081N 46 HY081N_F 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090N_IF 48 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF	_	
46 HY081N_F 47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F		_
47 HY081N_IF 96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		
96 HY090G 97 HY090G_F 98 HY090G_IF 48 HY090N 49 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		_
97 HY090G_F 98 HY090G_IF 48 HY090N 49 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		
98 HY090G_IF 48 HY090N 49 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		
48 HY090N 49 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		
49 HY090N_F 50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		
50 HY090N_IF 99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		
99 HY100G 100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		_
100 HY100G_F 101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		_
101 HY100G_IF 51 HY100N 52 HY100N_F 53 HY100N_IF		
51 HY100N 52 HY100N_F 53 HY100N_IF		
52 HY100N_F 53 HY100N_IF		
53 HY100N_IF		
		_
102 HY110G		_
	102	mr110G

Position	Variable
103	HY110G_F
104	HY110G_IF
54	HY110N
55	HY110N_F
56	HY110N_IF
105	HY120G
106	HY120G_F
107	HY120G_IF
57	HY120N
58	HY120N_F
59	HY120N_IF
108	HY121G
109	HY121G_F
110	HY121G_IF
60	HY121N
61	HY121N_F
62	HY121N_IF
111	HY130G
112	HY130G_F
113	HY130G_IF
63	HY130N
64	HY130N_F
65	HY130N_IF
114	HY131G
115	HY131G_F
116	HY131G_IF
66	HY131N
67	HY131N_F
68	HY131N_IF
117	HY140G
118	HY140G_F
119	HY140G_IF
69	HY140N
70	HY140N_F
71	HY140N_IF
72	HY145N
73	HY145N_F
74	HY145N_IF
120	HY170G
121	HY170G_F
122	HY170G_IF
75	HY170N
76	HY170N_F
77	HY170N_IF

R-file variables

Position Variable

Position	Variable
1	RB010
2	RB020
3	RB030
4	RB032
6	RB040
7	RB060
9	RB062
11	RB063
13	RB064
15	RB065
17	RB066
19	RB080
21	RB081
23	RB082
25	RB090 RB100
27	
29	RB110 RB120
31	
33	RB200
35	RB211
37	RB220
39	RB230
41	RB240
43	RB245
45	RB250
47	RB280
49	RB285
51	RB290
5	RB032_F
8	RB060_F
10	RB062_F
12	RB063_F
14	RB064_F
16	RB065_F
18	RB066_F
20	RB080_F
22	RB081_F
24	RB082_F
26	RB090_F
28	RB100_F
30	RB110_F
32	RB120_F
34	RB200_F
36	RB211_F
38	RB220_F
40	RB230_F
42	RB240_F
44	RB245_F
46	RB250 F

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Position	
	RB280_F
	RB285_F
	RB290_F
	RG_1
	RG_2
	RG_3
	RG_4
	RG_5
	RG_6
	RG_7
	RG_8
	RG_9
	RG_10
	RG_11
	RG_12
	RG_13
	RG_14
	RG_15
	RG_16
	RG_17
	RG_18
	RG_19
	RG_20
	RG_21
	RG_22
	RG_10_F RG_11_F
	RG_11_F RG_12_F
78	
80	RG_13_F RG_14_F
82	RG_14_I
84	RG_16_F
86	RG_17_F
88	RG_18_F
90	RG_19_F
54	RG_1_F
92	RG_20_F
94	RG 21 F
96	RG_22_F
56	RG 2 F
58	RG_3_F
60	RG 4 F
62	RG_5_F
64	RG_6_F
66	RG_7_F
68	RG_8_F
70	RG_9_F
97	RX010
98	RX020

P-file variables

Position	Variable
1	PB010
2	PB020
3	PB030
4	PB050
6	PB080
8	PB100
10	PB110
12	PB120
14	PB140
16	PB150
18	PB160
20	PB170
22	PB180
24	PB190
26	PB200
28	PB205
30	PB230
32	PB240
34	PB270
5	PB050_F
7	PB080_F
9	PB100_F
11	PB110_F
13	PB120_F
15	PB140_F
17	PB150_F
19	PB160_F
21	PB170_F
23	PB180_F
25	PB190_F
27	PB200_F
29	PB205_F
31	PB230_F
33	PB240_F
35	PB270_F
235	PD020
237	PD030
239	PD050
241	PD060
243	PD070
245	PD080
236	PD020_F
238	PD030_F
240	PD050_F

Position Variable 242 PD060_F 244 PD070_F 246 PD080_F 36 PE041 37 PE041_F 82 PH010 84 PH020 86 PH030 83 PH010_F 85 PH020_F 87 PH030_F 38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL040B 43 PL051A 45 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211C_F 64 PL211E 65 PL211F 66 PL211F 67 PL211F 68 PL211G 69 PL211G_F 70 PL211G_F 71 PL211H_F 72 PL211I_F		
244 PD070_F 246 PD080_F 36 PE041 37 PE041_F 82 PH010 84 PH020 86 PH030 83 PH010_F 85 PH020_F 87 PH030_F 38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A_F 44 PL051A 45 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A_F 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211C_F 64 PL211E 65 PL211E 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	Position	Variable
246 PD080_F 36 PE041 37 PE041_F 82 PH010 84 PH020 86 PH030 83 PH010_F 85 PH020_F 87 PH030_F 38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL040B 43 PL051A_F 44 PL051A 45 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A_F 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C_F 61 PL211C_F 62 PL211D 63 PL211C_F 64 PL211E 65 PL211E_F 66 PL211F_F 67 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	242	PD060_F
36 PE041 37 PE041_F 82 PH010 84 PH020 86 PH030 83 PH010_F 85 PH020_F 87 PH030_F 38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL040B 43 PL051A 45 PL051B 47 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B 60 PL211C 61 PL211C_F 62 PL211D 63 PL211C_F 64 PL211E 65 PL211F 66 PL211F 66 PL211F 67 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	244	PD070_F
37 PE041_F 82 PH010 84 PH020 86 PH030 83 PH010_F 85 PH020_F 87 PH030_F 38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A_F 44 PL051A 45 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A_F 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211C_F 64 PL211E 65 PL211E 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F	246	PD080_F
82 PH010 84 PH020 86 PH030 83 PH010_F 85 PH020_F 87 PH030_F 38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL040B 43 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A_F 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211C_F 64 PL211E 65 PL211F_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	36	PE041
84 PH020 86 PH030 83 PH010_F 85 PH020_F 87 PH030_F 38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A 45 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211C_F 64 PL211E 65 PL211E 66 PL211F 66 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	37	PE041_F
86 PH030 83 PH010_F 85 PH020_F 87 PH030_F 38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A_F 46 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C_F 61 PL211C_F 62 PL211D 63 PL211C_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	82	PH010
83 PH010_F 85 PH020_F 87 PH030_F 38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A 45 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211C_F 64 PL211E 65 PL211F 66 PL211F 67 PL211G_F 70 PL211H 71 PL211H_F 71 PL211H_F	84	PH020
85 PH020_F 87 PH030_F 38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A_F 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211C_F 64 PL211E 65 PL211F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	86	PH030
87 PH030_F 38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A_F 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211C_F 64 PL211E 65 PL211F 66 PL211F 67 PL211G_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F	83	PH010_F
38 PL032 48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A 45 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D 63 PL211E 65 PL211E 66 PL211F 66 PL211F 67 PL211F 68 PL211G 69 PL211G 69 PL211H 71 PL211H_F 72 PL211I	85	PH020_F
48 PL060 50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211F_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	87	PH030_F
50 PL141 52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A 45 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211F 66 PL211F 67 PL211F 68 PL211G 69 PL211G 69 PL211G 70 PL211H 71 PL211H_F 72 PL211I	38	PL032
52 PL145 54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A 45 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	48	PL060
54 PL200 80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A 45 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	50	PL141
80 PL271 39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL051A 45 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211B 64 PL211E 65 PL211E 66 PL211F 66 PL211F 67 PL211G_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	52	PL145
39 PL032_F 40 PL040A 41 PL040A_F 42 PL040B 43 PL040B_F 44 PL051A 45 PL051B_F 46 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A_F 58 PL211B_F 60 PL211C_F 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E_F 65 PL211E_F 66 PL211F_F 67 PL211F_F 68 PL211G_F 70 PL211H_F 71 PL211H_F 72 PL211I	54	PL200
40 PL040A 41 PL040A_F 42 PL040B 43 PL040B_F 44 PL051A 45 PL051B_F 46 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A_F 58 PL211B_F 60 PL211C_F 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E_F 66 PL211E_F 66 PL211F_F 67 PL211F_F 68 PL211G_F 70 PL211H_F 71 PL211H_F 72 PL211I	80	PL271
41 PL040A_F 42 PL040B 43 PL040B_F 44 PL051A 45 PL051B_F 46 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	39	PL032_F
42 PL040B 43 PL040B_F 44 PL051A 45 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D 63 PL211D_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	40	PL040A
43 PL040B_F 44 PL051A 45 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 60 PL211B 61 PL211C_F 62 PL211D 63 PL211B 64 PL211E 65 PL211E 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	41	PL040A_F
44 PL051A 45 PL051B 47 PL051B 47 PL051B,F 49 PL060,F 51 PL141,F 53 PL145,F 55 PL200,F 56 PL211A 57 PL211A,F 58 PL211B 59 PL211B,F 60 PL211C 61 PL211C,F 62 PL211D 63 PL211D,F 64 PL211E 65 PL211E 65 PL211F,F 66 PL211F 67 PL211F,F 68 PL211G 69 PL211G,F 70 PL211H 71 PL211H,F 72 PL211I	42	PL040B
45 PL051A_F 46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	43	PL040B_F
46 PL051B 47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	44	PL051A
47 PL051B_F 49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	45	PL051A_F
49 PL060_F 51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D 63 PL211E 65 PL211E 65 PL211E 67 PL211F 68 PL211G 69 PL211G 70 PL211H 71 PL211H_F 72 PL211I	46	PL051B
51 PL141_F 53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	47	PL051B_F
53 PL145_F 55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	49	PL060_F
55 PL200_F 56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	51	PL141_F
56 PL211A 57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	53	PL145_F
57 PL211A_F 58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	55	PL200_F
58 PL211B 59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	56	PL211A
59 PL211B_F 60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	57	
60 PL211C 61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	58	PL211B
61 PL211C_F 62 PL211D 63 PL211D_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	59	
62 PL211D 63 PL211D_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	60	PL211C
63 PL211D_F 64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	61	PL211C_F
64 PL211E 65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	62	PL211D
65 PL211E_F 66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	63	PL211D_F
66 PL211F 67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	64	PL211E
67 PL211F_F 68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	65	PL211E_F
68 PL211G 69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	66	PL211F
69 PL211G_F 70 PL211H 71 PL211H_F 72 PL211I	67	
70 PL211H 71 PL211H_F 72 PL211I	68	PL211G
71 PL211H_F 72 PL211I		
72 PL211I	70	PL211H
	71	
73 PL211I_F	72	
	73	
74 PL211J	74	PL211J

Position	Variable
75	PL211J_F
76	PL211K
77	PL211K_F
78	PL211L
79	PL211L_F
81	PL271_F
247	PW010
248	PW191
249	PX010
250	PX020
251	PX030
252	PX040
124	PY010G
125	PY010G_F
126	PY010G_IF
88	PY010N
89	PY010N_F
90	PY010N_IF
127	PY020G
128	PY020G_F
129	PY020G_IF
91	PY020N
92	PY020N_F
93	PY020N_IF
130	PY021G
131	PY021G_F
132	PY021G_IF
94	PY021N
95	PY021N_F
96	PY021N_IF
133	PY030G
134	PY030G_F
135	PY030G_IF
136	PY035G
137	PY035G_F
138	PY035G_IF
97	PY035N
98	PY035N_F
99	PY035N_IF
139	PY050G
140	PY050G_F
141	PY050G_IF
100	PY050N
101	PY050N_F
102	PY050N_IF
142	PY080G
143	PY080G_F
144	PY080G_IF
103	PY080N

Position	Variable
104	PY080N_F
105	PY080N_IF
145	PY090G
146	PY090G_F
147	PY090G_IF
106	PY090N
107	PY090N_F
108	PY090N_IF
163	PY091G
164	PY091G_F
165	PY091G_IF
166	PY092G
167	PY092G_F
168	PY092G_IF
169	PY093G
170	PY093G_F
171	PY093G_IF
172	PY094G
173	PY094G F
174	PY094G IF
148	PY100G
149	PY100G F
150	PY100G_IF
109	PY100N
110	PY100N_F
111	PY100N IF
175	PY101G
176	PY101G F
177	PY101G_IF
178	PY102G
179	PY102G F
180	PY102G_IF
181	PY103G
182	PY103G_F
183	PY103G_IF
184	PY104G
185	PY104G F
186	PY104G IF
151	PY110G
152	PY110G F
153	PY110G_IF
112	PY110N
113	PY110N_F
114	PY110N_F
187	PY111G
188	PY111G F
189	PY111G_F
190	PY112G
191	PY112G F
191	1 1 1 1 2 3 _ 1

Position	Variable
192	PY112G_IF
193	PY113G
194	PY113G_F
195	PY113G_IF
196	PY114G
197	PY114G_F
198	PY114G_IF
154	PY120G
155	PY120G_F
156	PY120G_IF
115	PY120N
116	PY120N_F
117	PY120N_IF
199	PY121G
200	PY121G_F
201	PY121G_IF
202	PY122G
203	PY122G_F
204	PY122G_IF
205	PY123G
206	PY123G_F
207	PY123G_IF
208	PY124G
209	PY124G F
210	PY124G IF
157	PY130G
158	PY130G_F
159	PY130G_IF
118	PY130N
119	PY130N_F
120	PY130N IF
211	PY131G
212	PY131G_F
213	PY131G_IF
214	PY132G
215	PY132G_F
216	PY132G_IF
217	PY133G
218	PY133G_F
219	PY133G_IF
220	PY134G
221	PY134G_F
222	PY134G_IF
160	PY140G
161	PY140G_F
162	PY140G_IF
121	PY140N
122	PY140N_F
123	PY140N_IF

Position	Variable
223	PY141G
224	PY141G_F
225	PY141G_IF
226	PY142G
227	PY142G_F
228	PY142G_IF
229	PY143G
230	PY143G_F
231	PY143G_IF
232	PY144G
233	PY144G_F
234	PY144G_IF