News from Scandiatransplant office September - 2011

Introduction

You have here the fifth newsletter with information from Scandiatransplant office. In this issue we proudly present a great amount of new features and improvements concerning the tissue typing and STAMP facilities in the system. The developments are mainly based on wishes from the Tissue Typers Meeting 2011 in Göteborg and a meeting with part of the STAMP steering committee in Århus.

All newsletters are easily accessible at the web page www.scandiatransplant.org under http://www.scandiatransplant.org/news/newsletter-2012.

Remember to notify us if you wish to have relevant courses displayed on the web page.

Purpose
By this information letter we wish to communicate to you about the office status and progress within the system, collaboration with groups related to Scandiatransplant and ongoing working projects.
We hope that you will read it and share the information with whom it might concern.
As always please do not hesitate to contact us for further information, ideas, problems and help.

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Content

… and in further details

1. Local Acceptable Mismatches Program (LAMP)

LAMP is a new option for patients not fulfilling the criteria for inclusion on STAMP. LAMP gives the local transplantation center an improved facility to help finding a local donor due to defined acceptable mismatches. The centers decide themselves which patients and how many should be included on LAMP. The program does not result in any exchange obligation between centers.

The procedure for inclusion of patients to LAMP is described step by step in

http://www.scandiatransplant.org/members/stamp/STAMP_meeting_Sep_2011_minutes.pdf/at_download/file

In short:

1. You go to the main 'STAMP - Acceptable Mismatches Programme' menu.

```
           STAMP - Acceptable Mismatches Programme

        1. STAMP/LAMP pre transplantation
        2. Patients being prepared for STAMP/LAMP
        3. Patients ready to go on STAMP
        4. Patients on STAMP
        5. Patients temporarily off STAMP
        6. Patients on LAMP (local programme)
        7. Patients permanently withdrawn from STAMP
        8. STAMP reports
        9. Previous Menu


           Enter your choice: 1



Application: SCTP_UK   Menu: STAMP      v                    <Rep>
```

2. In menu 'STAMP/LAMP pre transplantation' enter "Date of accept" and press <F10>. You will now be able to find the record in the menu 'Patients being prepared for STAMP/LAMP'

3. Methods of determination, acceptable mismatches and comments are registered the same way as for STAMP patients.

4. When sufficient data has been entered you activate the patient on LAMP by changing "Status" from I = Inactive to L = Local programme. The patient is now on LAMP. All LAMP patients are found in the menu 'Patients on LAMP (local programme)'.

5. At recipient search the HLA matches of a LAMP patient will be calculated using the methods for STAMP patients (but will not result in exchange obligation).

6. In the search selection screen a new line has been added.

```
          KIDNEY WAITING LIST SURVEY              Page   4/6      2501

ABO Compat.:     All _1253_  Own ___226_  Ex. Obligation _____0_

                    No.        Sel   Waiting Time          No.        Sel
Local prior.:  Yes 9_____  ■     in Months:   0 - 11  427____     _
               No  1242_____  _                 12 - 23  411____     _
  R<18 D<55 MMmx3-1 0_____   _                 24 - 59  319____     _
Local acc. mism.:  1_____    _                 60 -  *   96____     _

                    No.        Sel                          No.        Sel
Age in    0 - 15   2_____   _     CMV:        Positive 764____     _
Years:   16 - 19   2_____   _                 Negative 222____     _
         20 - 39 192_____   _
         40 - 59 617_____   _                            No.        Sel
         60 -  * 440_____   _
                                     HCV_Ab:     Positive 20_____     _
                                     HCV_Ag:     Positive 3_____     _
                                     HBs_Ag:     Positive 5_____     _
```

Count: *0   <Replace>

7. If a match is found for a LAMP patient it will appear on the search result
    list (marked with an L to the left) depending on search selections.


```
          KIDNEY WAITING LIST                     Page     1/1      2505

Tx cnt:AR                                  Exchg. _2 Own __0 All __82

PRI Scandia Surname   AB Ag WT  TX IM AB DR RP D  CM HC HCV HBS TX SF
    Number            O  e      NO ST MM MM MM SA V  V  Ag  Ag CN RC
■ 1  1552             0  31 _31 1  HI 0  0  _  _  +  -  ND  -  HE _
  5  1463             0  43 _31 1  NI 0  0  _  _  +  -  ND  -  AR _
  L_ 135              0  39 _33 2  _I 0  1  £  _  +  ND ND  ND AR _
  =  1625             0  63 _15 1  NI 1  0  _  _  +  -  ND  -  AR _
  =  1569             0  65 _27 1  _I 1  0  _  *  +  -  ND  ND AR _
  =  1642             0  58 _12 1  NI 1  0  _  _  +  -  ND  -  AR _
  =  1629             0  63 _14 1  NI 1  0  _  _  -  -  ND  -  AR _
  =  84               0  46 237 4  PI 2  0  *  _  -  -  ND  -  AR _
  =  1622             0  66 _16 1  NI 2  0  _  _  +  -  ND  -  AR _
  =  1667             0  28 _7  1  NI 2  0  _  _  -  -  ND  ND AR _
v =  1666             0  49 _7  1  NI 2  0  _  _  -  -  ND  -  AR _
```

* POP UP *
Count: 11   v   <Replace>

Please note *that no matter what STAMP status a patient has it can always become a LAMP patient. LAMP is an alternative to STAMP.*

2. New features concerning STAMP

2.1 Quality control - missing Ab screen
In STAMP guidelines it is stated that 'Recipients in the program must be regularly screened at least every 3 months'.
In the main STAMP menu you will find the new quality control menu 'STAMP patients with PRA older than 3 months'. By entering this menu you will get a display of all patients on STAMP from whom a screen test has not been registered in 3 months.

2.2. Causes of temporary withdrawal
After acceptance it is for varying reasons sometimes necessary to temporarily withdraw a patient from STAMP. The status on the patient's STAMP record will in these cases be changed from Active to Inactive by the center.

When this happens a forced pop up will appear, where the cause of withdrawal should be registered. By pressing >F5<, in the pop up, a list of values will be displayed and the suitable cause(s) of withdrawal can be chosen.

Causes of temporary withdrawal from STAMP
- Positive crossmatch: HLA typing and antibody specification needed
- Further HLA typing required
- Further antibody specification required
- Other, not specified cause

The temporary withdrawal causes are only shown in STAMP extractions.

2.3 Causes of permanent withdrawal
Patients no longer eligible for STAMP, must be permanently withdrawn from STAMP.
You will find the facility for taking patients permanent off STAMP in the bottom of the screen.


```
        STAMP - ACCEPTABLE MISMATCHES PROGRAMME            9201

Scandia Number      _____      Pers Num _____ _____    Sex F Female   ABO A

Surname                 _____      First name              _____
Tx Center       AR Aarhus             Country
Curr wait list  KI Kidney             Wl status  W  Wait for tx number    4
Date of wl entry 21-JAN-1999          Dial/Tr cn AB Aalborg
Narr eq ser HLA  A 3,24;B 7;DR 12,14;DQ 7,5;
Repea mismatches A2,11;B14,18,22;DR1,2,3
Most recent PRA 1 13-DEC-2010 I%  94 CDC,LUMI      II%  54 CDC,LUMI
Most recent PRA 2 29-SEP-2010 I%  94 CDC,LUMI      II%  56 CDC,LUMI
Identif antib    A+X,(1),11,2,23,25,26,29,31,32,33,34,36,43,66,68,69,74,80;

Date of accept    23-AUG-2010       Sign up Y Yes Status A Active
Methods of determ _ CDC,LUMI
Acc. mismatches   _ A30;B73,81;DQ2,4,5,7;DR3,4,8,11,13,1403,1404,17,18
Comments
STAMP check       _ Event log _ Score chance  *     [Permanent withdrawal]
Date/User of First Reg/Last Change 23-AUG-2010 ARPKN    25-AUG-2010 ARPKN

Count: *1                                              <Replace>
```

Place the cursor in the field 'Permanent withdrawal' and press >F7< followed by >F5< to choose between permanent withdrawal causes.

Causes of permanent withdrawal
- In preparation, does not meet STAMP criteria
- Re-evaluated, does not meet STAMP criteria
- Not accepted on STAMP
- PRA testing not provided according to rules
- Persistent positive cross match
- New HLA antibodies / acceptable mismatches cannot be defined
- Other cause

Important: *Permanent withdrawal is PERMANENT withdrawal, there is no way back.*

A new menu has been added 'Patients permanently withdrawn from STAMP',

were all permanent withdrawals of STAMP records are displayed.

2.4. Quality control – STAMP criteria check

Now available at any time in the STAMP process, both before and after acceptance, is a possibility to check if all STAMP acceptance criteria, as described in the STAMP guidelines, are fulfilled.
The evaluation facility is found in the bottom left screen.

By pressing >F7< you get check and calculations done on all the following variables:

    1   Wait time > 1 yr or child

The total waiting time on kidney waiting list and present age on the patient is calculated. Total waiting time on kidney waiting list must be more than one year. (Excepted are children they do not have to wait one year on kidney waiting list before acceptance).

    2 HI PRA >= 80% at present

Defines if the patient is highly immunized (PRA ≥ 80%) in last registered antibody screen test

    3 Most recent PRA < 3 months

Checks if the last registered antibody screen test is done within the last 3 months

    4 HI >= x2 > 3 months

Identifies if highly immunized test result is identified in two consecutive samples over a period of more than 3 months.

    5   A,B,DR,DQ splits

A check is done weather the recipient HLA-antigens are assigned at split level.

A '*' in front of an allele indicates that the assigned HLA type contains a broad type which is serological typed. A '!' in front of an allele indicates that the problematic broad type is genomic typed.

   6 Acc. mm. Splits

Checks if all acceptable mismatches are registered as splits

   7 Id. antib. Splits

Checks if all identified antibodies are registered as splits

   8 Patient DQ in Acc. mm.

Checks if patients own DQ is entered as acceptable mismatch.

   9 No identif. AB in Acc. mm.

Compares one to one if any identified antibodies by mistake are given as acceptable mismatches.

Example of a STAMP record check; to the right it is stated if every single criteria is accepted or not. The conclusion of this check is that:
- a new sample needs to be antibody screen tested (and the result entered into Scandiatransplant)
- a broad type DR3 is given as an acceptable mismatch this indicates that it is necessary also to check if DR17 and DR18 are given as acceptable mismatches.

The STAMP check is a quality control and is meant as a help, it does not inflict with the activation of patients to STAMP.

In the cases where an email is sent to the steering committee, the results of the STAMP check will automatically be included in the message.

3. New features concerning identified antibodies

3.1. Donor specific antibodies (DSA) in search
Results of deceased donor search for best matching kidney patients will now also contain DSA.

```
        KIDNEY WAITING LIST                    Page     1/1        2505

 Tx cnt:OS                               Exchg.  _0 Own __0 All _212

 PRI Scandia Surname          AB Ag WT   TX IM AB DR RP DSA CM HC HBS TX SF
     Number                   0  e       NO ST MM MM MM        V  V  Ag CN RC
  _ =  10                    _ 0 46 41   4  I  3  0  *   ___   +  ND ND OS _
  _ =  10                    _ 0 48 23   2  I  3  0      ___   -  ND ND OS _
  _ =  13                    _ 0 62 34   2  I  3  0  *   ___   +  ND ND OS _
  _ =  15                    _ 0 66 23   1  LI 3  0  _   *     +  ND ND OS _
  _ =  16                    _ 0 66 16   1  NI 3  0  _   ___   +  ND ND OS _
  _ =  16                    _ 0 64 21   1  I  3  0  _   ___   +  ND ND OS _
  _ =  16                    _ 0 67 21   1  LI 3  0   _  (*)   +  ND ND OS _
  _ =  15                    _ 0 78 21   1  NI 3  0  _   ___   +  ND ND OS _
  _ =  15                    _ 0 75 28   1  NI 3  0  _   ___   +  ND ND OS _
  _ =  16                    _ 0 55 17   2  NI 3  0  *   ___   +  ND ND OS _
v _ =  16                    _ 0 51 17   1  NI 3  0  _   ___   -  ND ND OS _

* POP UP *
Count:   38         ^  v                                        <Replace>
```

When a patient in the DSA column is marked */(*) press >F5< to view DSA along with repeated mismatches.

'*' in DSA column indicates that the this patient at the moment has important antibodies against donor that needs to be taken into account. In the ex. below B5 needs to be taken into account A1 does not.

```
        KIDNEY WAITING LIST                    Page     1/1        2505

 Tx cnt:OS                               Exchg.  _0 Own __0 All _212

 PRI Scandia Surname          AB Ag WT   TX IM AB DR RP DSA CM HC HBS TX SF
     Number                   0  e       NO ST MM MM MM        V  V  Ag CN RC
                                                                           _
          Repeated mismatches, Donor specific antibodies                   _
                                                                           _
                                                              2516         _
  Donornumber     _                                                        _
  Scandianumber   _                                                        _
                                                                           _
  Rep. mism.    _____           _
                                                                           _
  DSA           A(1); B5;_____           _
v                                                                          _
```

'(*)' in DSA column indicates that all of the the donor specific antibodies no longer are of clinical relevance.

```
┌──────────────────────────────────────────────────────────────────┐
│     KIDNEY WAITING LIST                    Page    1/1        2505 │
│ Tx cnt:OS                              Exchg. _4 Own __0 All _214 │
│ PRI Scandia Surname          AB Ag WT  TX IM AB DR RP DSA CM HC HBS TX SF │
│     Number                   0  e      NO ST MM MM MM      V  V  Ag CN RC │
│ ┌──────────────────────────────────────────────────────────────┐  _ │
│ │        Repeated mismatches, Donor specific antibodies         │  _ │
│ │                                                                │  _ │
│ │█                                                     2516      │  _ │
│ │ Donornumber      _                                            │  _ │
│ │ Scandianumber _____                                         │  _ │
│ │                                                                │  _ │
│ │ Rep. mism.    _____ │  _ │
│ │                                                                │  _ │
│ │ DSA           A(1);_____ │  _ │
│ v                                                                  _ │
└──────────────────────────────────────────────────────────────────┘
```

Please note this is a one to one comparison be aware of identified antibodies (or search HLA) given as broad types.

3.2 Inactivating identified antibodies
When an identified antibody no longer should be taken into account it is now possible to inactivate it instead of deleting. After inactivation it will be displayed in brackets in the summary and in case of DSA in kidney patient search.

Enter the menu 'Updating Of Waiting List Data', make a query on the specific patient and enter the 'Antibody screen test' menu.

```
┌──────────────────────────────────────────────────────────────────┐
│            S C A N D I A T R A N S P L A N T            2001      │
│                 RECIPIENT SYSTEM PAGE 3/3                         │
│  Scandia Number     _____ _____._____ │
│                                                                   │
│  5. HLA TYPING:                                           *       │
│                                                                   │
│  6. ANTIBODY SCREEN TEST:                                 █       │
│                                                                   │
│  7. SENSITIZATION HISTORY:                                *       │
│                                                                   │
│  8. VARIOUS IMMUNOLOGY:     Immunol. Requirements      _____      │
│                                                                   │
│                             Previous / allowable mismatches &  *  │
│                             Waiting for organ number              │
│                                                                   │
│                             Edit transplantation number      _    │
│                                                                   │
│ ▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄▄  │
│ * POP UP *                                                        │
│ Count: *1                                          <Replace>      │
└──────────────────────────────────────────────────────────────────┘
```

Place the cursor on 'edit allowable antibodies', press >F7< and place a >X< in front of the identified antibodies you wish to allow.

```
                    S C A N D I A T R A N S P L A N T              2001
                        RECIPIENT SY ┌──────────────────────────────────────┐
                                     │  ALLOWABLE ANTIBODIES          2008   │
   Scandia Number      106185 _____ │                                      │
  ┌──────────────────────────────────│    HLA-A      HLA-B     HLA-DR  HLA-DQ│
  │                      ANTIBODY S   │■ 1      _ 12      _ 11      _ 2       │
  │     Date of Current Serum Sample  │_ 25     _ 13      _ 12      _ 3       │
  │ 5.  HLA Antibodies in Current Serum│_ 3     _ 15      _ 13      _ 4       │
  │     Serological Routines Used to Disc│_ 32  _ 17      _ 14      _ 7       │
  │ 6. │Edit allowable antibodies   _ ││_ 66    _ 21      _ 3       _ 8       │
  │    └──────────────────────────────│_ 9     _ 27      _ 4       _ 9       │
  │ 7.  Anti HLA-A    Anti HLA-B    Anti HI│_ _  _ 35      _ 7       _ _____│
  │                                   │_ _____ _ 38    _ 8       _ _____ │
  │ 8.  _____    _____    _____ │_ _____ _ 40    _ 9       _ _____ │
  │     _____    _____    _____ │_ _____ _ 41    _ _____ _ _____ │
  │                                   │_ _____ _ 42    _ _____ _ _____ │
  │     Summary A1,25,3,32,66,9; B12,13,1│_ ____ _ 46    _ _____ _ _____ │
  │                                   │_ _____ _ 47    _ _____ _ _____ │
  │     ArrDown: next record, ArrUp: prev│_ ___ _ 48     _ _____ _ _____ │
  └──────────────────────────────────└──────────────────────────────────────┘

Count: *6                                                        <Replace>
```

Press >F10< to save.

```
                    S C A N D I A T R A N S P L A N T              2001
                        RECIPIENT SY ┌──────────────────────────────────────┐
                                     │  ALLOWABLE ANTIBODIES          2008   │
   Scandia Number      106185 _____ │                                      │
  ┌──────────────────────────────────│    HLA-A      HLA-B     HLA-DR  HLA-DQ│
  │                      ANTIBODY S   │X 1      _ 12      _ 11      _ 2       │
  │     Date of Current Serum Sample  │■ 25     _ 13      _ 12      _ 3       │
  │ 5.  HLA Antibodies in Current Serum:│_ 3    _ 15      _ 13      _ 4       │
  │     Calculated combined PRA:      │_ 32     _ 17      _ 14      _ 7       │
  │ 6.  Serol. Routines used to disclose│_ 66   _ 21      _ 3       _ 8       │
  │     Edit allowable antibodies  *  │_ 9     _ 27      _ 4       _ 9       │
  │ 7.                                │_ _____ _ 35    _ 7       _ _____ │
  │     Anti HLA-A    Anti HLA-B    Anti HI│_ _  _ 38     _ 8       _ _____ │
  │ 8.  _____    _____    _____ │_ _____ _ 40    _ 9       _ _____ │
  │                                   │_ _____ _ 41    _ _____ _ _____ │
  │                                   │_ _____ _ 42    _ _____ _ _____ │
  │     Summary A(1),25,3,32,66,9; B12,13│_ ____ _ 46    _ _____ _ _____ │
  │                                   │_ _____ _ 47    _ _____ _ _____ │
  │     ArrDown: next record, ArrUp: prev│_ ___ _ 48     _ _____ _ _____ │
  └──────────────────────────────────└──────────────────────────────────────┘

Count: *6                                                        <Replace>
```

3.3 New low immunised (LI) HLA antibody status
The new status is used and displayed for low PRA values (1-9%).
HI – PRA ≥ 80%
I – PRA 10-79%
LI – PRA ≤ 9%
NI - PRA 0%
PI – previously immunised
ND – Not done

```
              S C A N D I A T R A N S P L A N T                    2001
                     RECIPIENT SYSTEM PAGE 3/3

  Scandia Number        _____  _____

   ┌──────────────────────────────────────────────────────────────┐
   │                   SENSITIZATION HISTORY:                  2007 │
   │                                                                │
   │   Sample        PRA cl. Identified antibodies                  │
   │   date          I   II                                         │
   │ ■ 08-SEP-2011   5    0  _____ │
   │ _ 08-MAR-2011   0    0  _____ │
   │ _ 08-SEP-2010   0    0  _____ │
   │ _ 09-JUN-2010   0    0  _____ │
   │ _ 28-JUL-2009  ___   0  _____ │
   │                                                                │
   │ _ _____    ___  ___ _____ │
   │                                                                │
   │ _ _____    ___  ___ _____ │
   │                                                                │
   │ Current immunization status 20-SEP-2011 LI Low immunized       │
   │                                                                │
   └──────────────────────────────────────────────────────────────┘
 ──────────────────────────────────────────────────────────────────────
 * POP UP *
 Count: *5                                                  <Replace>
```

4. Calculated frequency for PRA and transplantability

A donor pool, based on 1000 recently HLA typed deceased donors registered in Scandiatransplant, has been made. In the near feature each tissue typing lab. will receive a list with donors that needs retyping. This is to improve the following calculations:

4.1 Frequency calculated combined PRA
On the basis of registered identified antibodies on a specific patient it is possible to make a percentage calculation of a combined PRA class I and II.

Enter the menu 'Updating Of Waiting List Data', make a query on the specific patient and choose the 'Antibody screen test' menu.

```
              S C A N D I A T R A N S P L A N T                    2001
                     RECIPIENT SYSTEM PAGE 3/3

  Scandia Number        _____  _____._____



  5. HLA TYPING:                                               *

  6. ANTIBODY SCREEN TEST:                                     *

  7. SENSITIZATION HISTORY:                                    *

  8. VARIOUS IMMUNOLOGY:     Immunol. Requirements            _____

                            Previous / allowable mismatches &  *
                            Waiting for organ number

                            Edit transplantation number        _

 ──────────────────────────────────────────────────────────────────────
 * POP UP *
 Count: *1                                                  <Replace>
```

```
            S C A N D I A T R A N S P L A N T              2001
                   RECIPIENT SYSTEM PAGE 3/3

 Scandia Number           .                          _____

                          ANTIBODY SCREEN TEST                2008
       Date of Current Serum Sample                 12-NOV-2010
  5.   HLA Antibodies in Current Serum:  Class I  60%     Class II  60%
       Calculated combined PRA:                99%        21-SEP-2011
  6.   Serol. Routines used to disclose  Class I  _       Class II  _
       Edit allowable antibodies  *
  7.
       Anti HLA-A    Anti HLA-B    Anti HLA-Cw    Anti HLA-DR    Anti HLA-DQ
  8.    _____      _____      _____       _____        _____
        _____      _____      _____       _____        _____

       Summary  A(1),25,3,32,66,9:  B12,13,15,17,21,27,35,38,40,41,42,46,47

       ArrDown: next record, ArrUp: previous record, F1: calculate PRA


 Count: *15          ^                                        <Replace>
```

Press >F1< and a combined PRA value, containing class I and II antibodies, will be calculated and saved. Recalculating of changes can be made by pressing >F1< again. The last date of calculation together with the PRA values will always be displayed.

4.2 Frequency calculated transplantability
In STAMP it is possible to get
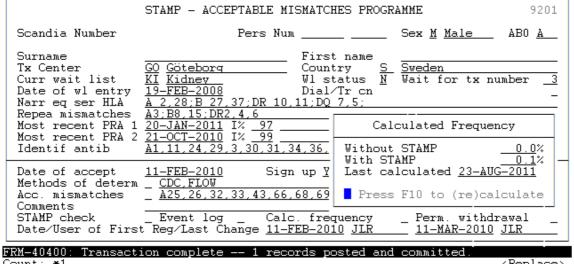 • a 'frequency calculated transplantability' based on patient's own tissuetype
  • a ' frequency calculated transplantability with acceptable mismatches' based on patient's own tissuetype and acceptable mismatches.

The calculation is solely based on the HLA types in the donor pool and do NOT take AB0 into account.

Place the cursor in the field 'Calc. frequency' and press >F7< to get a pop up.

```
         STAMP — ACCEPTABLE MISMATCHES PROGRAMME                9201

 Scandia Number              Pers Num _____  ____    Sex F Female   ABO A

 Surname          _____  First name  _____
 Tx Center        AR Aarhus            Country    DK Denmark
 Curr wait list   KI Kidney            Wl status  W  Wait for tx number   4
 Date of wl entry 21—JAN—1999          Dial/Tr cn AB              _____
 Narr eq ser HLA  A 3,24;B 7,70;DR 12,14;DQ 7,5;
 Repea mismatches A2,11;B14,18,22;DR1,2,3
 Most recent PRA 1 13—DEC—2010 I%  94 CDC,LUMI      II%  54 CDC,LUMI
 Most recent PRA 2 29—SEP—2010 I%  94 CDC,LUMI      II%  56 CDC,LUMI
 Identif antib    A+X,(1),11,2,23,25,26,29,31,32,33,34,36,43,66,68,69,74,80;

 Date of accept    23—AUG—2010      Sign up Y Yes Status A Active
 Methods of determ _  CDC,LUMI
 Acc. mismatches   _  A30;B73,81;DQ2,4,5,7;DR3,4,8,11,13,1403,1404,17,18
 Comments
 STAMP check     _  Event log  _   Calc. frequency   *  Perm. withdrawal   _
 Date/User of First Reg/Last Change 23—AUG—2010 ARPKN    25—AUG—2010 ARPKN
──────────────────────────────────────────────────────────────────────────
 * POP UP *
 Count: *1                                                      <Replace>
```

By pressing >F10< you get the calculated match frequency among the 1000 donor types with and without acceptable mismatches.

```
         STAMP — ACCEPTABLE MISMATCHES PROGRAMME                9201

 Scandia Number              Pers Num _____  ____    Sex M Male    ABO A

 Surname          _____  First name  _____
 Tx Center        GO Göteborg          Country    S  Sweden
 Curr wait list   KI Kidney            Wl status  N  Wait for tx number   3
 Date of wl entry 19—FEB—2008          Dial/Tr cn                       _
 Narr eq ser HLA  A 2,28;B 27,37;DR 10,11;DQ 7,5;
 Repea mismatches A3;B8,15;DR2,4,6     ┌─────────────────────────────────┐
 Most recent PRA 1 20—JAN—2011 I%  97 │     Calculated Frequency         │
 Most recent PRA 2 21—OCT—2010 I%  99 │                                  │
 Identif antib    A1,11,24,29,3,30,31,│ Without STAMP           0.0%      │
                                      │ With STAMP             0.1%       │
 Date of accept    11—FEB—2010   Sign │ Last calculated 23—AUG—2011      │
 Methods of determ _  CDC,FLOW        │                                  │
 Acc. mismatches   _  A25,26,32,33,43,│ ■ Press F10 to (re)calculate     │
 Comments                             └─────────────────────────────────┘
 STAMP check     _  Event log  _   Calc. frequency   _  Perm. withdrawal   _
 Date/User of First Reg/Last Change 11—FEB—2010 JLR     11—MAR—2010 JLR
──────────────────────────────────────────────────────────────────────────
 FRM—40400: Transaction complete —— 1 records posted and committed.
 Count: *1                                                      <Replace>
```

SCANDIA
TRANSPLANT