

### Determination of the standard test for NAHIP reporting

- The National Animal Health Information Program (NAHIP) is an ongoing collaboration between governments, livestock industries and Wildlife Health Australia to collate surveillance and monitoring data and provide an overview of animal health in Australia. The program maintains a database management system named the National Animal Health information System (NAHIS) and produces Animal Health Surveillance Quarterly Report and Animal Health in Australia Annual Report.
- Nationally notifiable diseases are reported in NAHIP, however for completeness all NSW notifiable disease have been included in this project.
- There is currently no standardisation of laboratory tests / results to determine if notifiable disease investigations are positive or negative across the jurisdictions when reporting to NAHIP
  - This document is designed to gather input from relevant teams in NSW to reach consensus for NSW data reportable to NAHIP for notifiable diseases.
  - For the NAHIP data projects (NNDI, ATX2, AVI1, POU, EHV1 and TSE) each notifiable disease in each lab submission (investigation) is reported on an individual line in the NAHIP coordinators workbook.
  - For the NAHIP data projects (BRA2, BRA3, EBL2, EIA1 and EVA1) the notifiable disease is reported for individual locations, across a reporting date range.
  - NAHIS does not require details of what tests have been used to determine positive or negative results (however these details are sometimes included in the free text “comments” or “finding” fields).
  - Where multiple tests are needed to be used in parallel to make a diagnosis, an additional column is provided to indicate where this interpretation is required for an overall diagnosis. The desired test may also be different where testing is for non-diagnostic purposes.
  - The majority of reporting is limited to diagnosis in clinical animals, however non-clinical testing is included in certain data projects (e.g., BRA2, EBL2, EIA1, EVA1 and EHV1).
  - The NAHIP data sheet only allows the entry of overall investigation having a “positive” or “negative” result - no variation is allowed. Further interpretation is required in cases where results are pending or inconclusive and they may not be included at the time of reporting.
  - Each NAHIP data project has specific rules and scope for reporting. In general, domestic species only are reported and wildlife / feral animals / zoo collection animals are reported separately via WHA and eWHIS.

### Prohibited matter and notifiable disease diagnostic tests

| Common name<br>(Prohibited matter in bold font type) | Scientific name                     | National List wording |                                                                           | Standard test for diagnosis for NAHIP reporting<br>(name + analysis code) | Testing at EMAI or ACDP or OTHER (specify) | Does test require interpretation?<br>(Y/N) | Comments |
|------------------------------------------------------|-------------------------------------|-----------------------|---------------------------------------------------------------------------|---------------------------------------------------------------------------|--------------------------------------------|--------------------------------------------|----------|
| <b>Acariasis tracheal mite</b>                       | <i>Acaraspis woodi</i>              | INFESTATION WITH      | Infestation of bees with <i>Acaraspis woodi</i> (Acariasis tracheal mite) | No test currently available at EMAI                                       | N/A                                        | N/A                                        |          |
| <b>African horse sickness virus</b>                  | <i>African horse sickness virus</i> | INFECTION WITH        | Infection with African horse sickness virus                               | AHS_PCR, AHS_IN_EL                                                        | EMAI, ACDP                                 |                                            |          |
| <b>African swine fever</b>                           | <i>African swine fever virus</i>    | INFECTION WITH        | Infection with African swine fever virus                                  | ASFV_PCR;                                                                 | EMAI, ACDP                                 |                                            |          |

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| American foulbrood                                                             | <i>Paenibacillus larvae</i>                       | INFECTION WITH   | Infection of bees with <i>Paenibacillus larvae</i> (American foulbrood)                                                | BEE_MIC, PA_LAR_CLT                                                        | EMAI       |     |                                         |
| Anaplasmosis                                                                   | <i>Anaplasma marginale</i>                        | INFECTION WITH   | Infection with <i>Anaplasma marginale</i> (bovine anaplasmosis) in tick free areas                                     | ANA_M_QPCR                                                                 | EMAI       |     |                                         |
| <b>Anthrax</b>                                                                 | <i>Bacillus anthracis</i>                         | INFECTION WITH   | Infection with <i>Bacillus anthracis</i> (Anthrax)                                                                     | BA_ANT_PCR, BA_ANT_SS                                                      | EMAI       | Y   | Pathologist review to confirm diagnosis |
| <b>Aujeszký's disease virus</b>                                                | <i>Suid herpes virus 1</i>                        | INFECTION WITH   | Infection with Aujeszký's disease virus (pseudorabies virus)                                                           | No test currently available at EMAI                                        | ACDP       | N   |                                         |
| <b>Australian bat lyssavirus (clinical disease in animals other than bats)</b> | <i>Australian bat lyssavirus</i>                  | INFECTION WITH   | Infection with Australian bat lyssavirus                                                                               | ABL_IN_TQM (ACDP), ABL_PT_TQM (ACDP), ABLVIN_PCR (EMAI), ABLVPT_PCR (EMAI) | EMAI, ACDP |     |                                         |
| Australian bat lyssavirus in bats                                              | <i>Australian bat lyssavirus</i>                  | INFECTION WITH   | Infection with Australian bat lyssavirus                                                                               | ABL_IN_TQM (ACDP), ABL_PT_TQM (ACDP), ABLVIN_PCR (EMAI), ABLVPT_PCR (EMAI) | EMAI, ACDP |     |                                         |
| <b>Avian influenza</b>                                                         | <i>Avian influenza virus</i>                      | INFECTION WITH   | Infection with Influenza A viruses in birds                                                                            | FLU_MATPCR                                                                 | EMAI       |     |                                         |
| Avian mycoplasma                                                               | <i>Mycoplasma iowae</i>                           | INFECTION WITH   | Infection with <i>Mycoplasma iowae</i>                                                                                 | No test currently available                                                | ACDP       | N/A |                                         |
| Avian tuberculosis                                                             | <i>Mycobacterium avium</i>                        | INFECTION WITH   | Infection with <i>Mycobacterium avium</i> (avian tuberculosis) in birds                                                | No test currently available                                                | ACDP       | N/A |                                         |
| Babesiosis                                                                     | <i>Babesia bigemina</i> ,<br><i>Babesia bovis</i> | INFECTION WITH   | Infection with <i>Babesia bovis</i> , <i>B. bigemina</i> or <i>B. divergens</i> (bovine babesiosis) in tick free areas | TFEV_QPCR, BABBG_QPCR, BABO_QPCR                                           | EMAI       |     |                                         |
| <b>Bluetongue (clinical disease)</b>                                           | <i>Bluetongue virus</i>                           | CLINICAL DISEASE | Bluetongue (clinical disease)                                                                                          | BLU_PCR                                                                    | EMAI       | Y   | Pathologist review to confirm diagnosis |

|                                         |                                                                   |                      |                                                                                                                                                          |                                              |              |     |                                                        |
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| <b>Borna disease virus</b>              | <i>Borna disease virus 1 &amp; 2</i>                              | INFECTION WITH       | Infection with Borna disease virus                                                                                                                       | No test currently available at EMAI          | ACDP         |     |                                                        |
| <b>Bovine brucellosis</b>               | <i>Brucella abortus</i>                                           | INFECTION WITH       | Infection with <i>Brucella abortus</i>                                                                                                                   | BR_ABO_CF, BR_ABO_ABE, BR_ABO_RBP            | EMAI         |     |                                                        |
| Bovine cysticercosis                    | <i>Cysticercus bovis</i>                                          | INFESTATION WITH     | Infestation with <i>Taenia saginata</i> (cysticercus bovis)                                                                                              | HIST_HE1                                     | EMAI/MELBUNI | Y   |                                                        |
| <b>Bovine Spongiform Encephalopathy</b> | Prion                                                             | NOT DEFINED          | Transmissible spongiform encephalopathies (bovine spongiform encephalopathy, chronic wasting disease of deer, feline spongiform encephalopathy, scrapie) | HIST_HE1                                     | EMAI/ACDP    | Y   | HISTO, THEN PRION PROT ACDP                            |
| <b>Bovine virus diarrhoea type 2</b>    | <i>Bovine virus diarrhoea type 2</i>                              | INFECTION WITH       | Infection with bovine virus diarrhoea virus (type 2)                                                                                                     | BVDV2_PCR                                    | EMAI         |     | PACE (pestivirus antigen capture ELISA) - non specific |
| <b>Braula fly/Bee louse</b>             | <i>Braula coeca</i>                                               | NOT ON NATIONAL LIST | N/A                                                                                                                                                      | No test currently available at EMAI          | N/A          | N/A |                                                        |
| <b>Brucellosis</b>                      | <i>Brucella melitensis</i>                                        | INFECTION WITH       | Infection with <i>Brucella melitensis</i>                                                                                                                | BR_ABO_RBP, BR_ABO_CF                        | EMAI         | Y   | Pathologist review to confirm diagnosis                |
| Brucellosis                             | <i>Brucella suis</i>                                              | INFECTION WITH       | Infection with <i>Brucella suis</i>                                                                                                                      | BR_ABO_RBP, BR_ABO_CF, BR_SUI_ABE, BRUCE_CLT | EMAI         | Y   | Pathologist review to confirm diagnosis                |
| <b>Camelpox</b>                         | <i>Camelpox virus</i>                                             | INFECTION WITH       | Infection with Camelpox virus                                                                                                                            | EM_NSTAIN (EMAI – non specific analysis)     | EMAI/ACDP    |     |                                                        |
| <b>Canine brucellosis</b>               | <i>Brucella canis</i>                                             | INFECTION WITH       | Infection with <i>Brucella canis</i>                                                                                                                     | BR_ABO_RBP, BR_ABO_CF, BR_SUI_ABE, BRUCE_CLT | EMAI         | Y   | Pathologist review to confirm diagnosis                |
| Cattle tick                             | <i>Rhipicephalus (Boophilus) australis</i> , <i>Rhipicephalus</i> | NOT ON NATIONAL LIST |                                                                                                                                                          | TICK_C_EXAM, PARA_ID                         | EMAI         | Y   | Pathologist review to confirm diagnosis                |

|                                           |                                                                     |                      |                                                                                                                                                          |                                                        |           |   |                                         |
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|                                           | <i>(Boophilus) microplus</i>                                        |                      |                                                                                                                                                          |                                                        |           |   |                                         |
| <b>Chagas' disease</b>                    | <i>Trypanosoma cruzi</i>                                            | INFECTION WITH       | Infection with <i>Trypanosoma cruzi</i> (Chagas disease)                                                                                                 | No test currently available at EMAI                    | ACDP      |   |                                         |
| Chalkbrood                                | <i>Ascosphaera apis</i>                                             | NOT ON NATIONAL LIST | N/A                                                                                                                                                      | BEE_MIC                                                | EMAI      | Y | Pathologist review to confirm diagnosis |
| Chlamydiosis in poultry and other birds   | <i>Chlamydophila psittaci</i>                                       | NOT ON NATIONAL LIST | N/A                                                                                                                                                      | C_PSIT_RT, CHLAMY_PCR                                  | EMAI      |   |                                         |
| <b>Chronic wasting disease of deer</b>    | Prion                                                               | NOT DEFINED          | Transmissible spongiform encephalopathies (bovine spongiform encephalopathy, chronic wasting disease of deer, feline spongiform encephalopathy, scrapie) | HIST_HE1                                               | EMAI/ACDP | Y | HISTO, THEN PRION PROT ACDP             |
| <b>Classical swine fever virus</b>        | Classical swine fever virus                                         | INFECTION WITH       | Infection with classical swine fever virus                                                                                                               | CSFV_RTPCR (EMAI)                                      | EMAI/ACDP |   |                                         |
| <b>Contagious agalactia</b>               | <i>Mycoplasma agalactiae</i>                                        | CLINICAL DISEASE     | Contagious agalactia (clinical disease)                                                                                                                  | MYCO_PCR (nonspecific analysis), MBIO_SEQ (sequencing) | EMAI/ACDP | Y | Pathologist review to confirm diagnosis |
| <b>Contagious bovine pleuropneumonia</b>  | <i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> small colony type | INFECTION WITH       | Infection with <i>Mycoplasma mycoides</i> subsp. <i>mycoides</i> SC (contagious bovine pleuropneumonia)                                                  | MYCO_PCR (nonspecific analysis), MBIO_SEQ (sequencing) | ACDP      | Y | Pathologist review to confirm diagnosis |
| <b>Contagious caprine pleuropneumonia</b> | <i>Mycoplasma capricolum</i> subsp. <i>capripneumoniae</i>          | INFECTION WITH       | Infection with <i>Mycoplasma capricolum</i> subsp. <i>capripneumoniae</i> (contagious caprine pleuropneumonia)                                           | MYCO_PCR (nonspecific analysis), MBIO_SEQ (sequencing) | EMAI/ACDP | Y | Pathologist review to confirm diagnosis |

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| <b>Contagious equine metritis</b>                   | <i>Taylorella equigenitalis</i>               | INFECTION WITH       | Infection with <i>Taylorella equigenitalis</i> (contagious equine metritis)                 | No dedicated test code              | EMAI/ACDP |     | Not routinely cultured but available on request.              |
| <b>Crimean Congo Haemorrhagic Fever</b>             | <i>Crimean-Congo haemorrhagic fever virus</i> | INFECTION WITH       | Infection with Crimean-Congo haemorrhagic fever virus                                       | No test currently available at EMAI | ACDP      |     |                                                               |
| <b>Devil Facial Tumour Disease</b>                  | Devil Facial Tumor 1 & 2                      | NOT DEFINED          | Devil Facial Tumour Disease                                                                 | No test currently available at EMAI | ACDP      | N   |                                                               |
| <b>Dourine</b>                                      | <i>Trypanosoma equiperdum</i>                 | INFECTION WITH       | Infection with <i>Trypanosoma equiperdum</i> (dourine)                                      | No test currently available at EMAI | ACDP      | N   |                                                               |
| <b>Duck virus enteritis/Duck plague</b>             | <i>Duck herpesvirus 1</i>                     | INFECTION WITH       | Infection with duck herpesvirus 1 (duck viral enteritis/duck plague)                        | No test currently available at EMAI | ACDP      | N   |                                                               |
| <b>Duck virus hepatitis</b>                         | <i>Duck hepatitis virus 1</i>                 | NOT DEFINED          | Duck virus hepatitis                                                                        | No test currently available at EMAI | ACDP      | N   |                                                               |
| <b>Echinococcus multilocularis</b>                  | <i>Echinococcus multilocularis</i>            | INFECTION WITH       | Infection with <i>Echinococcus multilocularis</i>                                           | HIST_HE1, PARA_ID                   | EMAI/ACDP |     |                                                               |
| Egg drop syndrome (EDS 76)                          | Atadenovirus                                  | NOT ON NATIONAL LIST | N/A                                                                                         | EDS_HI                              | EMAI      |     | EDS_HI is a serological test and confirms previous infection. |
| <b>Ehrlichiosis</b>                                 | <i>Ehrlichia canis</i>                        | INFECTION WITH       | Infection with <i>Ehrlichia canis</i> (Ehrlichiosis)                                        | ECAN_QPCR                           | EMAI      |     |                                                               |
| <b>Encephalitides (tick borne)</b>                  |                                               | NOT DEFINED          | Encephalitides (tick borne)                                                                 | No test currently available at EMAI | ACDP      | N/A |                                                               |
| <b>Enzootic abortion of ewes/ovine chlamydiosis</b> | <i>Chlamydophila abortus</i>                  | INFECTION WITH       | Infection with <i>Chlamydophila abortus</i> (enzootic abortion of ewes, ovine chlamydiosis) | C_ABOR_RT                           | EMAI      |     |                                                               |

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| Enzootic bovine leucosis                                                                         | <i>Bovine Leukemia virus</i>                                           | INFECTION WITH   | Infection with bovine leukaemia virus (enzootic bovine leucosis)                               | EBL_AGID, EBLABEL, EBL_RTPCR, EBL_EL_NC, EBL_EL_NR | EMAI |   |                                                                                                                             |
| <b>Epizootic haemorrhagic disease (clinical disease)</b>                                         | <i>Epizootic haemorrhagic disease</i>                                  | CLINICAL DISEASE | Epizootic haemorrhagic disease (clinical disease)                                              | EHD_PCR                                            | EMAI | Y |                                                                                                                             |
| <b>Epizootic lymphangitis</b>                                                                    | <i>Histoplasma capsulatum</i> var. <i>farciminosum</i>                 | INFECTION WITH   | Infection with <i>Histoplasma farciminosum</i> (epizootic lymphangitis)                        | No test currently available at EMAI                | ACDP |   |                                                                                                                             |
| <b>Equine encephalomyelitis (Eastern, Western and Venezuelan)</b>                                | <i>Eastern, Western or Venezuelan equine encephalomyelitis viruses</i> | INFECTION WITH   | Infection with Eastern, Western or Venezuelan equine encephalomyelitis viruses                 | No test currently available at EMAI                | ACDP |   |                                                                                                                             |
| <b>Equine encephalosis virus</b>                                                                 | <i>Equine encephalosis virus</i>                                       | INFECTION WITH   | Infection with equine encephalosis virus                                                       | No test currently available at EMAI                | ACDP |   |                                                                                                                             |
| <b>Equine herpesvirus 1</b> (neurologic strain prohibited matter; abortigenic strain notifiable) | <i>Equine herpesvirus 1</i>                                            | INFECTION WITH   | Infection with equine herpesvirus-1 (EHV-1)                                                    | EHV1_PCR, EHV1_VN                                  | EMAI | Y | Pathologist review to confirm diagnosis<br>EHV1_VN significant cross-reactivity<br>With EHV4 – need rising titre to confirm |
| Equine infectious anaemia                                                                        | Equine infectious anaemia virus                                        | INFECTION WITH   | Infection with equine infectious anaemia virus                                                 | EIA_AGID                                           | EMAI |   | EIA is caused by a lentivirus (retrovirus) so positive serology indicates life long infection                               |
| <b>Equine influenza</b>                                                                          | Equine influenza virus                                                 | INFECTION WITH   | Infection with equine influenza virus                                                          | FLU_MATPCR                                         | EMAI |   |                                                                                                                             |
| <b>Equine piroplasmosis</b>                                                                      | <i>Babesia caballi</i>                                                 | INFECTION WITH   | Infection with <i>Babesia caballi</i> B. equi, or <i>Theileria equi</i> (Equine piroplasmosis) | BAB_BO_PCR, MBIO_SEQ                               | EMAI | Y | Generic piroplasmid PCR and sequencing available                                                                            |

|                                          |                                     |                |                                                                                                                                                          |                                                                                   |           |   |                                                                      |
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| <b>Equine piroplasmosis</b>              | <i>Theileria equi</i>               | INFECTION WITH | Infection with <i>Babesia caballi</i> B. equi, or <i>Theileria equi</i> (Equine piroplasmosis)                                                           | BAB_BO_PCR, MBIO_SEQ                                                              | EMAI      | Y | Generic piroplasmid PCR and sequencing available                     |
| Equine viral arteritis                   | Equine arteritis virus              | INFECTION WITH | Infection with equine arteritis virus                                                                                                                    | EVA_VN, EVA_RT_PCR                                                                | EMAI      | Y | Pathologist to review: rising titre diagnostic                       |
| European foulbrood                       | <i>Melissococcus plutonius</i>      | INFECTION WITH | Infection of bees with <i>Melissococcus plutonius</i> (European foulbrood)                                                                               | BEE_MIC, PA_LAR_CLT                                                               | EMAI      | Y | Pathologist to review                                                |
| <b>Exotic theileria/East coast fever</b> | <i>Theileria parva</i>              | INFECTION WITH | Infection with <i>Theileria parva</i> (East Coast fever) or <i>T.annulata</i> (Mediterranean theileriosis)                                               | THEI_AN_PR, THEI_PV_PR                                                            | EMAI      |   |                                                                      |
| <b>Feline spongiform encephalopathy</b>  | Prion                               | NOT DEFINED    | Transmissible spongiform encephalopathies (bovine spongiform encephalopathy, chronic wasting disease of deer, feline spongiform encephalopathy, scrapie) | HIST_HE1                                                                          | EMAI/ACDP | Y | HISTO AT EMAI, THEN ACDP                                             |
| <b>Foot and mouth disease</b>            | <b>Foot and mouth disease virus</b> | INFECTION WITH | Infection with foot and mouth disease virus                                                                                                              | FMD_RTPCR                                                                         | EMAI/ACDP |   |                                                                      |
| Virulent footrot in sheep and goats      | Dichelobacter nodosus               | INFECTION WITH | Infection with virulent footrot                                                                                                                          | DI_NOD_CLT, DI_NOD_ELA                                                            | EMAI      | Y |                                                                      |
| <b>Fowl typhoid</b>                      | <i>Salmonella gallinarum</i>        | INFECTION WITH | Infection with <i>Salmonella Gallinarum</i> (fowl typhoid)                                                                                               | SALM_CLT, SALM_DQPCR                                                              | EMAI      | Y | SEROGROUP D ELISA ALSO AVAILABLE                                     |
| <b>Getah virus</b>                       | <b>Getah virus</b>                  | INFECTION WITH | Infection with Getah virus                                                                                                                               | No test currently available at EMAI                                               | ACDP      |   |                                                                      |
| <b>Glanders</b>                          | <i>Burkholderia mallei</i>          | INFECTION WITH | Infection with <i>Burkholderia mallei</i> (Glanders)                                                                                                     | N/A                                                                               | EMAI      | Y | Can be captured under routine aerobic culture procedure if necessary |
| <b>Goat pox</b>                          | <b>Goat pox virus</b>               | INFECTION WITH | Infection with sheep pox virus or goat pox virus                                                                                                         | CAPPOX_PCR; EM_NSTAIN (EMAI – no specific analysis), molecular diagnostics (ACDP) | ACDP      | N |                                                                      |

|                                                                              |                                  |                |                                                                                                   |                                                                 |             |   |                                                                                                                                                                                                                                   |
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| Haemorrhagic septicaemia                                                     | <i>Pasteurella multocida</i>     | INFECTION WITH | Haemorrhagic septicaemia (Infection with <i>Pasteurella multocida</i> serotypes 6:b and 6:e)      | MB_AER_CLT                                                      | EMAI        | Y |                                                                                                                                                                                                                                   |
| Heartwater                                                                   | <i>Ehrlichia ruminantium</i>     | INFECTION WITH | Infection with <i>Ehrlichia ruminantium</i> (Heartwater)                                          | No test currently available at EMAI                             | EMAI        | Y |                                                                                                                                                                                                                                   |
| Hendra virus (except in pteropid bats)                                       | Hendra virus G1 and G2           | INFECTION WITH | Infection with Hendra virus                                                                       | HEND_RTPCR (plus other ACDP analyses)<br>HEND_VPCR (for HeV-g2) | EMAI        |   |                                                                                                                                                                                                                                   |
| Highly pathogenic avian influenza                                            | Influenza A                      | INFECTION WITH | Infection with Influenza A viruses in birds                                                       | FLU_MATPCR, FLU_H5_PCR, FLU_H7_PCR                              | EMAI, ACDP  | Y | Requires further interpretation as the H5 and H7 assays will detect high and low path AI<br><br>Note specific reporting requirements for NAHIP reporting (Including PCR, ELISA, AGID, AIHI, VI results when testing is conducted) |
| Infectious bursal disease (very virulent and exotic antigenic variant forms) | Infectious bursal disease virus  | INFECTION WITH | Infection with infectious bursal disease virus (very virulent and exotic antigenic variant forms) | No test currently available at EMAI                             | ACDP        | N |                                                                                                                                                                                                                                   |
| Infectious laryngotracheitis                                                 | Gallid herpesvirus 1             | INFECTION WITH | Infection with Gallid herpesvirus 1                                                               | ILT_PCR                                                         | EMAI        |   |                                                                                                                                                                                                                                   |
| Japanese encephalitis                                                        | Japanese encephalitis virus      | INFECTION WITH | Infection with Japanese encephalitis virus                                                        | JEV_PCR, JEV_ABE:                                               | EMAI, ACDP, | Y | Note specific rules for NAHIP reporting for JEV                                                                                                                                                                                   |
| Jembrana disease virus                                                       | Jembrana disease virus           | INFECTION WITH | Infection with Jembrana disease virus                                                             | No test currently available at EMAI                             | ACDP        |   |                                                                                                                                                                                                                                   |
| Johne's disease                                                              | M. avium subsp. paratuberculosis | INFECTION WITH | Paratuberculosis (Johne's disease)                                                                | JD_CLT_LIQ                                                      | EMAI        |   |                                                                                                                                                                                                                                   |
| Leishmaniosis                                                                | <i>Leishmania</i> spp.           | INFECTION WITH | Infection with <i>Leishmania</i> spp.                                                             | No test currently available at EMAI                             | ACDP        | N |                                                                                                                                                                                                                                   |

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| Louping ill                                       | Louping ill virus                                                               | INFECTION WITH | Infection with louping ill virus                                                                            | No test currently available at EMAI                                              | ACDP       | N |                                                                                                                     |
| Lumpy skin disease                                | Lumpy skin disease virus                                                        | INFECTION WITH | Infection with lumpy skin disease virus                                                                     | CAPPOX_PCR; EM_NSTAIN (EMAI – analysis is not specific); molecular tests at ACDP | EMAI, ACDP |   |                                                                                                                     |
| Rabies                                            | Lyssavirus (exotic genotypes)                                                   | INFECTION WITH | Infection with rabies virus                                                                                 | No test currently available at EMAI                                              | ACDP       | N |                                                                                                                     |
| Maedi-visna                                       | Visna-maedi virus                                                               | INFECTION WITH | Infection with Visna-maedi virus                                                                            | CAEMV_ABEL (confirmatory testing required at ACDP)                               | EMAI, ACDP | Y | MVV is a lentivirus so infection is for life; if seropositive infection would ideally be confirmed by PCR           |
| Malignant catarrhal fever (wildebeest associated) | Alcelaphine herpesvirus-1                                                       | INFECTION WITH | Infection with alcelaphine herpesvirus-1 (malignant catarrhal fever, wildebeest-associated)                 | No test currently available at EMAI                                              | ACDP       | N |                                                                                                                     |
| Mediterranean theileriosis/Tropical theileriosis  | <i>Theileria annulata</i>                                                       | INFECTION WITH | Infection with <i>Theileria parva</i> (East Coast fever) or <i>T. annulata</i> (Mediterranean theileriosis) | THEI_AN_PR, THEI_PV_PR                                                           | EMAI       |   |                                                                                                                     |
| Menangle virus                                    | Menangle virus                                                                  | INFECTION WITH | Infection with Menangle virus                                                                               | MEN_VN (also a PCR without analysis)                                             | EMAI       | Y |                                                                                                                     |
| Nairobi sheep disease                             | Nairobi sheep disease virus                                                     | INFECTION WITH | Infection with Nairobi sheep disease virus                                                                  | No test currently available at EMAI                                              | ACDP       | N |                                                                                                                     |
| Newcastle disease                                 | Newcastle disease virus (all strains other than non-pathogenic V4-like strains) | INFECTION WITH | Infection with Newcastle disease virus (virulent)                                                           | NDV_RT_PCR                                                                       | EMAI       | Y | Note specific reporting requirements for NAHIP reporting (Including PCR, HIT, VI results when testing is conducted) |
| Nipah virus                                       | Nipah virus                                                                     | INFECTION WITH | Infection with Nipah virus                                                                                  | No test currently available at EMAI                                              | ACDP       | N |                                                                                                                     |

|                                                      |                                                            |                  |                                                                                             |                                     |                |   |                                             |
|------------------------------------------------------|------------------------------------------------------------|------------------|---------------------------------------------------------------------------------------------|-------------------------------------|----------------|---|---------------------------------------------|
| Nosemosis                                            | <i>Nosema apis</i> and <i>Nosema ceranae</i>               | INFESTATION WITH | Infestation with <i>Nosema apis</i> and <i>Nosema ceranae</i>                               | NOS_BE_MIC                          | EMAI           | Y |                                             |
| <b>Peste des petits ruminants virus</b>              | <b>Peste des petits ruminants virus</b>                    | INFECTION WITH   | Infection with peste des petits ruminants virus                                             | No test currently available at EMAI | ACDP           | N |                                             |
| Pigeon paramyxovirus                                 | Pigeon paramyxovirus                                       | INFECTION WITH   | Infection with Pigeon paramyxovirus                                                         | PPMV1_PCR                           | EMAI           |   |                                             |
| Porcine cysticercosis                                | <i>Cysticercus cellulosae</i>                              | INFECTION WITH   | Infection with <i>Taenia solium</i> (Porcine cysticercosis)                                 | HIST_HE1                            | EMAI/MELB UNI  | Y |                                             |
| <b>Porcine epidemic diarrhoea virus</b>              | <b>Porcine epidemic diarrhoea virus</b>                    | INFECTION WITH   | Infection with porcine epidemic diarrhoea virus                                             | No test currently available at EMAI | ACDP           | N |                                             |
| Porcine myocarditis                                  | Bungowannah virus                                          | INFECTION WITH   | Infection with Bungowannah virus (porcine myocarditis virus or atypical porcine pestivirus) | BUNG_VN, BUNG_PCR                   | EMAI           | Y |                                             |
| <b>Porcine reproductive and respiratory syndrome</b> | <b>Porcine reproductive and respiratory syndrome virus</b> | INFECTION WITH   | Infection with porcine reproductive and respiratory syndrome virus                          | No test currently available at EMAI | ACDP           | N |                                             |
| <b>Post-weaning multi-systemic wasting syndrome</b>  | <b>Porcine circovirus type 2</b>                           | INFECTION WITH   | Post-weaning multi-systemic wasting syndrome                                                | PCV2_PCR                            | EMAI +/- OTHER | Y | Can't diagnose based on a PCR result alone. |
| <b>Potomac fever</b>                                 | <b><i>Neorickettsia risticii</i></b>                       | INFECTION WITH   | Infection with <i>Neorickettsia risticii</i> (Potomac fever)                                | No test currently available at EMAI | ACDP           | N |                                             |
| Pullorum disease                                     | <i>Salmonella pullorum</i>                                 | INFECTION WITH   | Infection with <i>Salmonella pullorum</i> (Pullorum disease)                                | SALM_CLT, SALM_DQPCR                | EMAI           | Y | SEROGROUP D ELISA ALSO AVAILABLE            |

|                                            |                                       |                  |                                                                                                                                                          |                                                      |              |   |                                |
|--------------------------------------------|---------------------------------------|------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|--------------|---|--------------------------------|
| <b>Pulmonary adenomatosis (Jaagsiekte)</b> | jaagsiekte sheep retrovirus           | INFECTION WITH   | Pulmonary adenomatosis (Jaagsiekte)                                                                                                                      | No test currently available at EMAI                  | ACDP         | N |                                |
| <b>Rift Valley fever virus</b>             | Rift Valley fever virus               | INFECTION WITH   | Infection with Rift Valley fever virus                                                                                                                   | No test currently available at EMAI                  | ACDP         | N |                                |
| <b>Rinderpest virus</b>                    | rinderpest virus                      | INFECTION WITH   | Infection with rinderpest virus                                                                                                                          | No test currently available at EMAI                  | ACDP         | N |                                |
| <i>Salmonella</i> Enteritidis              | <i>Salmonella</i> Enteritidis         | INFECTION WITH   | Infection with <i>Salmonella</i> Enteritidis in poultry                                                                                                  | SALM_EQPCR, SALM_CLT, SALM_MULTI                     | EMAI         | Y |                                |
| <b>Salmonellosis</b>                       | <b><i>Salmonella abortus-equi</i></b> | INFECTION WITH   | Infection with <i>Salmonella abortus-equi</i>                                                                                                            | SALM_CLT                                             | EMAI/SA PATH | Y | SEROTYPING OUTSOURCED          |
| <b>Salmonellosis</b>                       | <b><i>Salmonella abortus-ovis</i></b> | INFECTION WITH   | Infection with <i>Salmonella abortus-ovis</i> (salmonellosis)                                                                                            | SALM_CLT                                             | EMAI/SA PATH | Y | SEROTYPING OUTSOURCED          |
| <b>Scrapie</b>                             | <b>Prion</b>                          | INFECTION WITH   | Transmissible spongiform encephalopathies (bovine spongiform encephalopathy, chronic wasting disease of deer, feline spongiform encephalopathy, scrapie) | HIST_HE1                                             | EMAI/ACDP    | Y | HISTO AT EMAI, ACDP TO CONFIRM |
| <b>Screw-worm fly—New World</b>            | <b><i>Cochliomyia hominivorax</i></b> | INFESTATION WITH | Infestation with <i>Cochliomyia hominivorax</i> (New World screwworm)                                                                                    | PARA_ID                                              | EMAI (ENT)   | Y |                                |
| <b>Screw-worm fly—Old World</b>            | <b><i>Chrysomya bezziana</i></b>      | INFESTATION WITH | Infestation with <i>Chrysomya bezziana</i> (Old World Screwworm)                                                                                         | PARA_ID                                              | EMAI (ENT)   | Y |                                |
| Seneca Valley virus                        | Senecavirus A                         | INFECTION WITH   | Infection with Seneca Valley virus (Senecavirus A)                                                                                                       | No test currently available at EMAI                  | ACDP         | N |                                |
| <b>Sheep pox</b>                           | Sheep pox virus or goat pox virus     | INFECTION WITH   | Infection with sheep pox virus or goat pox virus                                                                                                         | CAPPOX_PCR; EM_NSTAIN (EMAI – Not specific analysis) | ACDP         | N |                                |

|                                                 |                                           |                |                                                                                                                                                          |                                     |            |   |                             |
|-------------------------------------------------|-------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------|---|-----------------------------|
| Sheep scab                                      | <i>Psoroptes ovis</i>                     | INFECTION WITH | Infestation with <i>Psoroptes ovis</i> (sheep scab)                                                                                                      | PARA_ID                             | EMAI (ENT) | Y |                             |
| Surra                                           | <i>Trypanosoma evansi</i>                 | INFECTION WITH | Infection with <i>Trypanosoma evansi</i> (Surra)                                                                                                         | BLOOD SMEAR, CONFIRMATION AT ACDP   | EMAI. ACDP | Y |                             |
| Swine influenza (except influenza A(H1N1)pdm09) | Influenza A virus                         | INFECTION WITH | Infection with Influenza A viruses in swine                                                                                                              | FLU_MATPCR                          | EMAI. ACDP | Y |                             |
| Swine influenza                                 | Influenza pandemic A(H1N1)pdm09           | INFECTION WITH | Infection with Influenza A viruses in swine                                                                                                              | FLU_H1_PCR                          | EMAI, ACDP |   |                             |
| Swine vesicular disease virus                   | Swine vesicular disease virus             | INFECTION WITH | Infection with swine vesicular disease virus                                                                                                             | No test currently available at EMAI | ACDP       | N |                             |
| Porcine enteroviral encephalomyelitis           | Teschovirus A                             | INFECTION WITH | Infection with Teschovirus A (porcine enteroviral encephalomyelitis)                                                                                     | No test currently available at EMAI | ACDP       | N |                             |
| Transmissible gastroenteritis                   | transmissible gastroenteritis coronavirus | INFECTION WITH | Infection with transmissible gastroenteritis coronavirus                                                                                                 | No test currently available at EMAI | ACDP       | N |                             |
| Transmissible spongiform encephalopathies       | Prion                                     | INFECTION WITH | Transmissible spongiform encephalopathies (bovine spongiform encephalopathy, chronic wasting disease of deer, feline spongiform encephalopathy, scrapie) | HIST_HE1                            | EMAI/ACDP  | Y | HISTO AT EMAI, ACDP CONFIRM |
| Trichinellosis                                  | <i>Trichinella</i> spp. (all species)     | INFECTION WITH | Infection with <i>Trichinella</i> spp.                                                                                                                   | No test currently available at EMAI | ACDP       | N |                             |
| Trichomoniasis                                  | <i>Tritrichomonas foetus</i>              | INFECTION WITH | Infection with <i>Tritrichomonas foetus</i>                                                                                                              | TFOET_QPCR, TRICH_NIP               | EMAI       |   |                             |

|                                                |                                           |                  |                                                                                                  |                                     |      |     |  |
|------------------------------------------------|-------------------------------------------|------------------|--------------------------------------------------------------------------------------------------|-------------------------------------|------|-----|--|
| <b>Tropilaelaps mite</b>                       | <b><i>Tropilaelaps clareae</i></b>        | INFESTATION WITH | Infestation of bees with <i>Tropilaelaps clareae</i> or <i>T. mercedesae</i> (Tropilaelaps mite) | No test currently available at EMAI | N/A  | N/A |  |
| <b>Tropilaelaps mite</b>                       | <b><i>Tropilaelaps mercedesae</i></b>     | INFESTATION WITH | Infestation of bees with <i>Tropilaelaps clareae</i> or <i>T. mercedesae</i> (Tropilaelaps mite) | No test currently available at EMAI | N/A  | N/A |  |
| <b>Trypanosomiasis (tsetse fly associated)</b> | <b>Trypanosome spp.</b>                   | INFECTION WITH   | Trypanosomosis (tsetse fly associated)                                                           | No test currently available at EMAI | ACDP | N   |  |
| <b>Tuberculosis/Bovine tuberculosis</b>        | <b><i>Mycobacterium bovis</i></b>         | INFECTION WITH   | Infection with <i>Mycobacterium bovis</i>                                                        | No test currently available at EMAI | ACDP | N   |  |
| <b>Tularaemia</b>                              |                                           | INFECTION WITH   | Infection with <i>Francisella tularensis</i> (Tularaemia)                                        | No test currently available at EMAI | ACDP | N   |  |
| <b>Turkey rhinotracheitis</b>                  | <b><i>Avian metapneumovirus</i></b>       | INFECTION WITH   | Infection with avian metapneumovirus (Turkey rhinotracheitis)                                    | No test currently available at EMAI | ACDP | N   |  |
| <b>Varroa mite</b>                             | <b><i>Varroa destructor</i></b>           | INFESTATION WITH | Infestation of bees with <i>Varroa destructor</i> or <i>V. jacobsoni</i> (Varroosis)             | N/A                                 | N/A  | N/A |  |
| <b>Varroa mite</b>                             | <b><i>Varroa jacobsoni</i></b>            | INFESTATION WITH | Infestation of bees with <i>Varroa destructor</i> or <i>V. jacobsoni</i> (Varroosis)             | N/A                                 | N/A  | N/A |  |
| <b>Vesicular exanthema</b>                     | <b>Vesicular exanthema of swine virus</b> | INFECTION WITH   | Infection with vesicular exanthema of swine virus                                                | No test currently available at EMAI | ACDP | N   |  |
| <b>Vesicular stomatitis virus</b>              | <b>Vesicular stomatitis virus</b>         | INFECTION WITH   | Infection with vesicular stomatitis virus                                                        | No test currently available at EMAI | ACDP | N   |  |
| <b>Warble-fly myiasis</b>                      | <b>Warble-fly myiasis</b>                 | INFESTATION WITH | Infestation with Warble-fly (warble-fly myiasis)                                                 | No test currently available at EMAI | N/A  | N/A |  |

|                                      |                                     |                |                                                                                  |                                     |      |   |  |
|--------------------------------------|-------------------------------------|----------------|----------------------------------------------------------------------------------|-------------------------------------|------|---|--|
| Wesselsbron virus                    | Wesselbron virus                    | INFECTION WITH | Infection with Wesselbron virus                                                  | No test currently available at EMAI | ACDP | N |  |
| West Nile Virus infection – clinical | West Nile Virus                     | INFECTION WITH | West Nile Virus (clinical disease)                                               | WNV_ABEL_M, WNV_B_ABEL, WNV_PCR     | EMAI | Y |  |
| White Nose Syndrome in bats          | <i>Pseudogymnoascus destructans</i> | INFECTION WITH | Infection with <i>Pseudogymnoascus destructans</i> in bats (White Nose Syndrome) | No test currently available at EMAI | ACDP | N |  |