

|     | severity    | code          | details   |
|-----|-------------|---------------|---|
| 95  | error       | structure     | <p>Unable to find a profile match for<br/> urn:uuid:da1ba24c-3012-416d-90f9-67b8fc72529f<br/> among choices: http://hl7.eu/fhir/base/<br/> StructureDefinition/medicalTestResult-eu-core, http://<br/> hl7.org/fhir/StructureDefinition/ImagingStudy</p> <p>This element does not match any known slice defined<br/> in the profile https://fhir.nwgenomics.nhs.uk/<br/> StructureDefinition/Variant 0.2.1 and slicing is<br/> CLOSED: Bundle.entry[5].resource/*Observation/<br/> null*/.component[2].value.ofType(CodeableConcept):<br/> Does not match slice 'valueQuantity' (discriminator:<br/> (\$this is Quantity))</p> <p>This element does not match any known slice defined<br/> in the profile https://fhir.nwgenomics.nhs.uk/<br/> StructureDefinition/Variant 0.2.1 and slicing is<br/> CLOSED: Bundle.entry[5].resource/*Observation/<br/> null*/.component[1].value.ofType(CodeableConcept):<br/> Does not match slice 'valueQuantity' (discriminator:<br/> (\$this is Quantity))</p> <p>This element does not match any known slice defined<br/> in the profile https://fhir.nwgenomics.nhs.uk/<br/> StructureDefinition/DiagnosticImplication 0.2.1 and<br/> slicing is CLOSED: Bundle.entry[6].resource/<br/> *Observation/<br/> null*/.component[0].value.ofType(CodeableConcept):<br/> Does not match slice 'valueQuantity' (discriminator:<br/> (\$this is Quantity))</p> <p>Unable to find a profile match for<br/> urn:uuid:20a304a3-0b32-492c-af71-3b377b35b968<br/> among choices: https://fhir.nwgenomics.nhs.uk/<br/> StructureDefinition/Observation</p> <p>Unable to find a profile match for<br/> urn:uuid:da1ba24c-3012-416d-90f9-67b8fc72529f<br/> among choices: https://fhir.nwgenomics.nhs.uk/<br/> StructureDefinition/Observation</p> <p>Slicing cannot be evaluated: Could not match<br/> discriminator (\$this) for slice<br/> DiagnosticReport.category:Genetics in profile https://<br/> fhir.nwgenomics.nhs.uk/StructureDefinition/<br/> DiagnosticReport 0.2.1 - the discriminator [\$this]<br/> does not have fixed value, binding or existence<br/> assertions</p> <p>This element does not match any known slice defined<br/> in the profile https://fhir.nwgenomics.nhs.uk/<br/> StructureDefinition/Variant 0.2.1 (this may not be a<br/> problem, but you should check that it's not intended<br/> to match a slice)</p> <p>This element does not match any known slice defined<br/> in the profile https://fhir.nwgenomics.nhs.uk/<br/> StructureDefinition/Variant 0.2.1 (this may not be a<br/> problem, but you should check that it's not intended<br/> to match a slice)</p> <p>This element does not match any known slice defined<br/> in the profile https://fhir.nwgenomics.nhs.uk/<br/> StructureDefinition/Variant 0.2.1 (this may not be a<br/> problem, but you should check that it's not intended<br/> to match a slice)</p> <p>This element does not match any known slice defined<br/> in the profile https://fhir.nwgenomics.nhs.uk/<br/> StructureDefinition/Variant 0.2.1 (this may not be a<br/> problem, but you should check that it's not intended<br/> to match a slice)</p> <p>This element does not match any known slice defined<br/> in the profile https://fhir.nwgenomics.nhs.uk/<br/> StructureDefinition/Variant 0.2.1 (this may not be a<br/> problem, but you should check that it's not intended<br/> to match a slice)</p> |
| 70  | error       | invalid       | [Bundle.entry[5].resource/*Observation/<br>null*/.component[2].value.ofType(CodeableConcept)]   |
| 67  | error       | invalid       | [Bundle.entry[5].resource/*Observation/<br>null*/.component[1].value.ofType(CodeableConcept)]   |
| 97  | error       | invalid       | [Bundle.entry[6].resource/*Observation/<br>null*/.component[0].value.ofType(CodeableConcept)]   |
| 117 | error       | structure     | [Bundle.entry[8].resource.result[2]]  |
| 115 | error       | structure     | [Bundle.entry[8].resource.result[1]]  |
| 113 | error       | processing    | [Bundle.entry[8].resource.category[0]]  |
| 63  | information | informational | [Bundle.entry[5].resource/*Observation/null*/.component[1]]   |
| 61  | information | informational | [Bundle.entry[5].resource/*Observation/null*/.component[1]]   |
| 81  | information | informational | [Bundle.entry[5].resource/*Observation/null*/.component[11].value.ofType(string)]   |
| 65  | information | informational | [Bundle.entry[5].resource/*Observation/null*/.component[1]]   |
| 80  | information | informational | [Bundle.entry[5].resource/*Observation/null*/.component[10].value.ofType(Range)]  |

|    | <b>severity</b>           | <b>code</b>   | <b>details</b>   |
|----|---------------------------|---|--|
| 62 | information informational | StructureDefinition/Variant 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)   | [Bundle.entry[5].resource/*Observation/null*.component[1].value.ofType(string)]          |
| 79 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)               | [Bundle.entry[5].resource/*Observation/null*.component[9].value.ofType(string)]          |
| 78 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)               | [Bundle.entry[5].resource/*Observation/null*.component[8].value.ofType(CodeableConcept)] |
| 77 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)               | [Bundle.entry[5].resource/*Observation/null*.component[7].value.ofType(CodeableConcept)] |
| 76 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)               | [Bundle.entry[5].resource/*Observation/null*.component[6].value.ofType(CodeableConcept)] |
| 75 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)               | [Bundle.entry[5].resource/*Observation/null*.component[5].value.ofType(CodeableConcept)] |
| 66 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)               | [Bundle.entry[5].resource/*Observation/null*.component[0].value.ofType(CodeableConcept)] |
| 73 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)               | [Bundle.entry[5].resource/*Observation/null*.component[3].value.ofType(CodeableConcept)] |
| 72 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)               | [Bundle.entry[5].resource/*Observation/null*.component[2].value.ofType(CodeableConcept)] |
| 64 | information informational | Binding for path Bundle.entry[5].resource/*Observation/null*.component[2].value.ofType(CodeableConcept) in profile StructureDefinition[https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1] has no source, so can't be checked | [Bundle.entry[5].resource/*Observation/null*.component[1].value.ofType(CodeableConcept)] |
| 71 | information code-invalid  | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)               | [Bundle.entry[5].resource/*Observation/null*.component[2].value.ofType(CodeableConcept)] |
| 69 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)               | [Bundle.entry[5].resource/*Observation/null*.component[1].value.ofType(CodeableConcept)] |
| 74 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1 (this may not be a  | [Bundle.entry[5].resource/*Observation/null*.component[4].value.ofType(CodeableConcept)] |

|     | <b>severity</b>           | <b>code</b>   | <b>details</b>  |
|-----|---------------------------|---|---|
| 0   | information informational | problem, but you should check that it's not intended to match a slice)  |   |
| 83  | information informational | A definition could not be found for Canonical URL ' <a href="https://fhir.nwgenomics.nhs.uk/Endpoint/IGENE">https://fhir.nwgenomics.nhs.uk/Endpoint/IGENE</a> ' but a definition can be found for ' <a href="http://fhir.nwgenomics.nhs.uk/Endpoint/IGENE">http://fhir.nwgenomics.nhs.uk/Endpoint/IGENE</a> ' - change from https: to http:   | [Bundle.entry[0].resource/*MessageHeader/null*.source.en                                  |
| 118 | information structure     | This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)  | [Bundle.entry[5].resource/*Observation/null*.component[13].value.ofType(CodeableConcept)] |
| 116 | information structure     | Details for urn:uuid:20a304a3-0b32-492c-af71-3b377b35b968 matching against profile <a href="https://fhir.nwgenomics.nhs.uk/Observation 0.2.1">https://fhir.nwgenomics.nhs.uk/Observation 0.2.1</a>  | [Bundle.entry[8].resource.result[2]]  |
| 114 | information not-supported | Details for urn:uuid:da1ba24c-3012-416d-90f9-67b8fc72529f matching against profile <a href="https://fhir.nwgenomics.nhs.uk/Observation 0.2.1">https://fhir.nwgenomics.nhs.uk/Observation 0.2.1</a>  | [Bundle.entry[8].resource.result[1]]  |
| 112 | information informational | DiagnosticReport.category:Genetics: Found 0 matches, but unable to check minimum required (DiagnosticReport.category) due to lack of slicing validation (from <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticReport 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticReport 0.2.1</a> )<br>Entry 'urn:uuid:fa5c8ca5-af89-4aae-bf26-5588a1b62389' isn't reachable by traversing forwards from the MessageHeader. Check that this is meant to be included (needed to process the message) | [Bundle.entry[10]]  |
| 107 | information structure     | Details for urn:uuid:20a304a3-0b32-492c-af71-3b377b35b968 matching against profile <a href="http://hl7.org/fhir/StructureDefinition/Observation 4.0.1">http://hl7.org/fhir/StructureDefinition/Observation 4.0.1</a>  | [Bundle.entry[8].resource/*DiagnosticReport/null*.result[2]]                              |
| 106 | information structure     | Details for urn:uuid:da1ba24c-3012-416d-90f9-67b8fc72529f matching against profile <a href="http://hl7.org/fhir/StructureDefinition/Observation 4.0.1">http://hl7.org/fhir/StructureDefinition/Observation 4.0.1</a>  | [Bundle.entry[8].resource/*DiagnosticReport/null*.result[1]]                              |
| 104 | information code-invalid  | None of the codings provided are in the value set 'LOINC Diagnostic Report Codes' ( <a href="http://hl7.org/fhir/ValueSet/report-codes 4.0.1">http://hl7.org/fhir/ValueSet/report-codes 4.0.1</a> ), and a coding is recommended to come from this value set (codes = <a href="https://fhir.nhs.uk/CodeSystem/England-GenomicTestDirectory#R210.2">https://fhir.nhs.uk/CodeSystem/England-GenomicTestDirectory#R210.2</a> )   | [Bundle.entry[8].resource/*DiagnosticReport/null*.code]                                   |
| 99  | information informational | This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticImplication 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticImplication 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)  | [Bundle.entry[6].resource/*Observation/null*.component[0].value.ofType(CodeableConcept)]  |
| 98  | information code-invalid  | Binding for path Bundle.entry[6].resource/*Observation/null*.component[0].value.ofType(CodeableConcept) in profile StructureDefinition[ <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticImplication 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/DiagnosticImplication 0.2.1</a> ] has no source, so can't be checked  | [Bundle.entry[6].resource/*Observation/null*.component[0].value.ofType(CodeableConcept)]  |
| 96  | information structure     | Details for urn:uuid:da1ba24c-3012-416d-90f9-67b8fc72529f matching against profile <a href="http://hl7.eu/fhir/base/StructureDefinition/medicalTestResult-eu-core 2.0.0-ballot">http://hl7.eu/fhir/base/StructureDefinition/medicalTestResult-eu-core 2.0.0-ballot</a>  | [Bundle.entry[6].resource/*Observation/null*.derivedFrom[                                 |
| 92  | information business-rule | Reference to draft CodeSystem <a href="https://fhir.nwgenomics.nhs.uk/CodeSystem/GenomicClinicalIndication 0.2.1">https://fhir.nwgenomics.nhs.uk/CodeSystem/GenomicClinicalIndication 0.2.1</a>   | [Bundle.entry[6].resource/*Observation/null*.component[0].value.ofType(CodeableConcept)]  |
| 91  | information structure     | Details for urn:uuid:da1ba24c-3012-416d-90f9-67b8fc72529f matching against profile <a href="http://hl7.org/fhir/StructureDefinition/Observation 4.0.1">http://hl7.org/fhir/StructureDefinition/Observation 4.0.1</a>  | [Bundle.entry[6].resource/*Observation/null*.derivedFrom[                                 |

|    | <b>severity</b>           | <b>code</b>  | <b>details</b>  |
|----|---------------------------|--|---|
| 89 | information code-invalid  | <p>None of the codings provided are in the value set 'Observation Category Codes' (<a href="http://hl7.org/fhir/ValueSet/observation-category 4.0.1">http://hl7.org/fhir/ValueSet/observation-category 4.0.1</a>), and a coding is recommended to come from this value set (codes = <a href="http://terminology.hl7.org/CodeSystem/v2-0074#GE">http://terminology.hl7.org/CodeSystem/v2-0074#GE</a>)</p> | [Bundle.entry[6].resource/*Observation/null*.category[1]]                                 |
| 88 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[5].resource/*Observation/null*.component[18].value.ofType(CodeableConcept)] |
| 87 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[5].resource/*Observation/null*.component[17].value.ofType(CodeableConcept)] |
| 86 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[5].resource/*Observation/null*.component[16].value.ofType(CodeableConcept)] |
| 85 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[5].resource/*Observation/null*.component[15].value.ofType(CodeableConcept)] |
| 84 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[5].resource/*Observation/null*.component[14].value.ofType(CodeableConcept)] |
| 59 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[5].resource/*Observation/null*.component[13].value.ofType(CodeableConcept)] |
| 82 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[5].resource/*Observation/null*.component[12].value.ofType(CodeableConcept)] |
| 58 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[5].resource/*Observation/null*.component[11].value.ofType(CodeableConcept)] |
| 60 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[5].resource/*Observation/null*.component[10].value.ofType(CodeableConcept)] |
| 56 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[5].resource/*Observation/null*.component[9].value.ofType(CodeableConcept)]  |
| 25 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[2].resource/*Observation/null*.component[6].value.ofType(CodeableConcept)]  |
| 24 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  | [Bundle.entry[2].resource/*Observation/null*.component[5].value.ofType(CodeableConcept)]  |
| 23 | information informational | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/">https://fhir.nwgenomics.nhs.uk/</a></p>  | [Bundle.entry[2].resource/*Observation/null*.component[4].value.ofType(string)]           |

|    | severity                  | code  | details   |
|----|---------------------------|---|---|
| 22 | information informational | StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice)   | [Bundle.entry[2].resource/*Observation/null*.component[3].value.ofType(CodeableConcept)]  |
| 57 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice) | [Bundle.entry[5].resource/*Observation/null*.component[10].value.ofType(CodeableConcept)] |
| 20 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice) | [Bundle.entry[2].resource/*Observation/null*.component[1].value.ofType(CodeableConcept)]  |
| 19 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice) | [Bundle.entry[2].resource/*Observation/null*.component[8].value.ofType(CodeableConcept)]  |
| 18 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice) | [Bundle.entry[2].resource/*Observation/null*.component[7].value.ofType(CodeableConcept)]  |
| 17 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice) | [Bundle.entry[2].resource/*Observation/null*.component[6].value.ofType(CodeableConcept)]  |
| 16 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice) | [Bundle.entry[2].resource/*Observation/null*.component[5].value.ofType(CodeableConcept)]  |
| 15 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice) | [Bundle.entry[2].resource/*Observation/null*.component[4].value.ofType(CodeableConcept)]  |
| 14 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice) | [Bundle.entry[2].resource/*Observation/null*.component[3].value.ofType(CodeableConcept)]  |
| 13 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice) | [Bundle.entry[2].resource/*Observation/null*.component[2].value.ofType(CodeableConcept)]  |
| 12 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice) | [Bundle.entry[2].resource/*Observation/null*.component[1].value.ofType(CodeableConcept)]  |
| 11 | information informational | This element does not match any known slice defined in the profile https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1 (this may not be a problem, but you should check that it's not intended to match a slice) | [Bundle.entry[2].resource/*Observation/null*.component[0].value.ofType(CodeableConcept)]  |
| 6  | information business-rule | Reference to draft CodeSystem https://fhir.nwgenomics.nhs.uk/CodeSystem/GenomicClinicalIndication 0.2.1   | [Bundle.entry[2].resource/*Observation/null*.component[1].value.ofType(CodeableConcept)]  |
| 4  | information code-invalid  |   | [Bundle.entry[2].resource/*Observation/null*.category[1]]                                 |

|     | <b>severity</b>           | <b>code</b>  | <b>details</b>   |
|-----|---------------------------|--------------|--|
| 26  | information informational |              | <p>None of the codings provided are in the value set 'Observation Category Codes' (<a href="http://hl7.org/fhir/ValueSet/observation-category 4.0.1">http://hl7.org/fhir/ValueSet/observation-category 4.0.1</a>), and a coding is recommended to come from this value set (codes = <a href="http://terminology.hl7.org/CodeSystem/v2-0074#GE">http://terminology.hl7.org/CodeSystem/v2-0074#GE</a>)</p> <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p> |
| 35  | information code-invalid  |              | <p>None of the codings provided are in the value set 'Observation Category Codes' (<a href="http://hl7.org/fhir/ValueSet/observation-category 4.0.1">http://hl7.org/fhir/ValueSet/observation-category 4.0.1</a>), and a coding is recommended to come from this value set (codes = <a href="http://terminology.hl7.org/CodeSystem/v2-0074#GE">http://terminology.hl7.org/CodeSystem/v2-0074#GE</a>)</p> <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p> |
| 21  | information informational |              | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/GenomicStudyPanel 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  |
| 51  | information informational |              | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  |
| 50  | information informational |              | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  |
| 49  | information informational |              | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  |
| 48  | information informational |              | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  |
| 55  | information informational |              | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  |
| 52  | information informational |              | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  |
| 53  | information informational |              | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  |
| 54  | information informational |              | <p>This element does not match any known slice defined in the profile <a href="https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1">https://fhir.nwgenomics.nhs.uk/StructureDefinition/Variant 0.2.1</a> (this may not be a problem, but you should check that it's not intended to match a slice)</p>  |
| 103 | warning                   | code-invalid | <p>Unknown Code 'R210.2' in the CodeSystem '<a href="https://fhir.nhs.uk/CodeSystem/England-GenomicTestDirectory">https://fhir.nhs.uk/CodeSystem/England-GenomicTestDirectory</a>' version '0.2.1' - note that the code system is labeled as a fragment, so the code may be valid in some other fragment</p>   |
| 105 | warning                   | code-invalid | <p>None of the codings provided are in the value set 'IdentifierType' (<a href="http://hl7.org/fhir/ValueSet/identifier-type">http://hl7.org/fhir/ValueSet/identifier-type</a>)</p>  |

|     | <b>severity</b> | <b>code</b>  | <b>details</b>   |
|-----|-----------------|--------------|--|
| 9   | warning         | not-found    | <p>type 4.0.1), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = <a href="http://terminology.hl7.org/CodeSystem/v2-0203#NH">http://terminology.hl7.org/CodeSystem/v2-0203#NH</a>)</p> <p>A definition for CodeSystem '<a href="http://www.genenames.org">http://www.genenames.org</a>' could not be found, so the code cannot be validated</p>                     |
| 8   | warning         | not-found    | <p>A definition for CodeSystem '<a href="http://www.ncbi.nlm.nih.gov/refseq">http://www.ncbi.nlm.nih.gov/refseq</a>' could not be found, so the code cannot be validated</p>   |
| 7   | warning         | code-invalid | <p>Unknown Code 'R210' in the CodeSystem '<a href="https://fhir.nwgenomics.nhs.uk/CodeSystem/GenomicClinicalIndication">https://fhir.nwgenomics.nhs.uk/CodeSystem/GenomicClinicalIndication</a>' version '0.2.1' - note that the code system is labeled as a fragment, so the code may be valid in some other fragment</p>   |
| 5   | warning         | code-invalid | <p>None of the codings provided are in the value set 'IdentifierType' (<a href="http://hl7.org/fhir/ValueSet/identifier-type 4.0.1">http://hl7.org/fhir/ValueSet/identifier-type 4.0.1</a>), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = <a href="http://terminology.hl7.org/CodeSystem/v2-0203#NH">http://terminology.hl7.org/CodeSystem/v2-0203#NH</a>)</p> |
| 2   | warning         | code-invalid | <p>None of the codings provided are in the value set 'IdentifierType' (<a href="http://hl7.org/fhir/ValueSet/identifier-type 4.0.1">http://hl7.org/fhir/ValueSet/identifier-type 4.0.1</a>), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = <a href="http://terminology.hl7.org/CodeSystem/v2-0203#NH">http://terminology.hl7.org/CodeSystem/v2-0203#NH</a>)</p> |
| 101 | warning         | code-invalid | <p>None of the codings provided are in the value set 'IdentifierType' (<a href="http://hl7.org/fhir/ValueSet/identifier-type 4.0.1">http://hl7.org/fhir/ValueSet/identifier-type 4.0.1</a>), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = <a href="http://terminology.hl7.org/CodeSystem/v2-0203#NH">http://terminology.hl7.org/CodeSystem/v2-0203#NH</a>)</p> |
| 37  | warning         | not-found    | <p>A definition for CodeSystem '<a href="http://www.genenames.org">http://www.genenames.org</a>' could not be found, so the code cannot be validated</p>   |
| 38  | warning         | not-found    | <p>A definition for CodeSystem '<a href="http://www.ncbi.nlm.nih.gov/clinvar">http://www.ncbi.nlm.nih.gov/clinvar</a>' could not be found, so the code cannot be validated</p>   |
| 36  | warning         | code-invalid | <p>None of the codings provided are in the value set 'IdentifierType' (<a href="http://hl7.org/fhir/ValueSet/identifier-type 4.0.1">http://hl7.org/fhir/ValueSet/identifier-type 4.0.1</a>), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = <a href="http://terminology.hl7.org/CodeSystem/v2-0203#NH">http://terminology.hl7.org/CodeSystem/v2-0203#NH</a>)</p> |
| 39  | warning         | not-found    | <p>A definition for CodeSystem '<a href="http://www.genenames.org">http://www.genenames.org</a>' could not be found, so the code cannot be validated</p>   |
| 30  | warning         | code-invalid | <p>None of the codings provided are in the value set 'IdentifierType' (<a href="http://hl7.org/fhir/ValueSet/identifier-type 4.0.1">http://hl7.org/fhir/ValueSet/identifier-type 4.0.1</a>), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = <a href="http://terminology.hl7.org/CodeSystem/v2-0203#NH">http://terminology.hl7.org/CodeSystem/v2-0203#NH</a>)</p> |
| 40  | warning         | not-found    | <p>A definition for CodeSystem '<a href="http://www.ncbi.nlm.nih.gov/refseq">http://www.ncbi.nlm.nih.gov/refseq</a>' could not be found, so the code cannot be validated</p>   |
| 41  | warning         | not-found    | <p>A definition for CodeSystem '<a href="http://varnomen.hgvs.org">http://varnomen.hgvs.org</a>' could not be found, so the code cannot be validated</p>   |
| 42  | warning         | not-found    | <p>A definition for CodeSystem '<a href="http://varnomen.hgvs.org">http://varnomen.hgvs.org</a>' could not be found, so the code cannot be validated</p>   |
| 100 | warning         | code-invalid | <p>Unknown Code 'R210.2' in the CodeSystem '<a href="https://fhir.nhs.uk/CodeSystem/England-GenomicTestDirectory">https://fhir.nhs.uk/CodeSystem/England-GenomicTestDirectory</a>' version '0.2.1' - note that the</p>   |

|           | <b>severity</b> | <b>code</b>   | <b>details</b>  |
|-----------|-----------------|---|---|
|           |                 | code system is labeled as a fragment, so the code may be valid in some other fragment |   |
| <b>43</b> | warning         | not-found   | A definition for CodeSystem ' <a href="http://www.ncbi.nlm.nih.gov/refseq">http://www.ncbi.nlm.nih.gov/refseq</a> ' could not be found, so the code cannot be validated<br>[Bundle.entry[5].resource/*Observation/null*/.component[7].value.ofType(CodeableConcept).coding]   |
| <b>45</b> | warning         | not-found   | A definition for CodeSystem ' <a href="http://www.ncbi.nlm.nih.gov/projects/SNP">http://www.ncbi.nlm.nih.gov/projects/SNP</a> ' could not be found, so the code cannot be validated<br>[Bundle.entry[5].resource/*Observation/null*/.component[12].value.ofType(CodeableConcept).coding]  |
| <b>90</b> | warning         | code-invalid  | None of the codings provided are in the value set 'IdentifierType' ( <a href="http://hl7.org/fhir/ValueSet/identifier-type 4.0.1">http://hl7.org/fhir/ValueSet/identifier-type 4.0.1</a> ), and a coding should come from this value set unless it has no suitable code (note that the validator cannot judge what is suitable) (codes = <a href="http://terminology.hl7.org/CodeSystem/v2-0203#NH">http://terminology.hl7.org/CodeSystem/v2-0203#NH</a> )<br>[Bundle.entry[6].resource/*Observation/null*.subject.identifier.type] |
| <b>46</b> | warning         | not-found   | A definition for CodeSystem 'Chrom-Loc' could not be found, so the code cannot be validated<br>[Bundle.entry[5].resource/*Observation/null*/.component[13].value.ofType(CodeableConcept).coding]  |
| <b>93</b> | warning         | code-invalid  | Unknown Code 'R210' in the CodeSystem ' <a href="https://fhir.nwgenomics.nhs.uk/CodeSystem/GenomicClinicalIndication">https://fhir.nwgenomics.nhs.uk/CodeSystem/GenomicClinicalIndication</a> ' version '0.2.1' - note that the code system is labeled as a fragment, so the code may be valid in some other fragment<br>[Bundle.entry[6].resource/*Observation/null*/.component[0].value.ofType(CodeableConcept).coding]   |
| <b>68</b> | warning         | not-found   | A definition for CodeSystem ' <a href="http://www.genenames.org">http://www.genenames.org</a> ' version 'null' could not be found, so the code cannot be validated. Valid versions: 3.0.0 or 3.1.0<br>[Bundle.entry[5].resource/*Observation/null*/.component[1].value.ofType(CodeableConcept).coding]  |
| <b>44</b> | warning         | not-found   | A definition for CodeSystem ' <a href="http://varnomen.hgvs.org">http://varnomen.hgvs.org</a> ' could not be found, so the code cannot be validated<br>[Bundle.entry[5].resource/*Observation/null*/.component[8].value.ofType(CodeableConcept).coding]   |