

| | | GEM Dataset | | | | NHS Dataset | | | |
|-------------------------------|---|-------------|-------------|-------------|---------------|-------------|-------------|-------------|------------------|
| Aim | Analysis | Data Source | Sample Size | Genome wide | Analyte(s) | Data Source | Sample Size | Genome wide | Analyte(s) |
| Patterns of ER/PR Expression | Freq. of ER/PR subtypes | GEM | 4,111 | No | mRNA | MR | 2,011 | No | Protein |
| | Freq. of ER/PR subtypes | MR | 1,752 | No | Protein | TMA | 2,011 | No | Protein |
| | <i>PGR</i> variability in ER+ and ER- | GEM | 3,666 | Yes | mRNA | | | | |
| ER/PR Subtype Reproducibility | Inter-assay Reproducibility | GEM, MR | 1,752 | No | mRNA, Protein | MR, TMA | 2,011 | No | Protein, Protein |
| ER/PR and Survival | <i>ESR1</i> and <i>PGR</i> prognostic association in univariate and multivariate models | GEM | 975 | No | mRNA | TMA | 2,011 | No | Protein |
| | ER and PR prognostic association in univariate and multivariate models | MR | 465 | No | Protein | MR | 2,011 | No | Protein |
| | <i>PGR</i> prognostic association in ER+ and ER- | GEM | 2,731 | Yes | mRNA | | | | |