Diagnostics: cmv_pp150 N=9424 | >0.95=4722 | <0.05=3590 | Ambig=1112 Original MFI Distribution: cmv_pp150 IgG vs Seropositive Probability: cmv_pp150 Hard cutoff threshold = 100 1.00 0.6 Seropositive Probability 0.75 0.50 0.50 Density 0.2 0.00 10 1 000 10 000 10 100 1 000 10 000 100 MFI (log scale) MFI (log scale) High-Confidence Seropositive Distribution: cmv_pp150 Phenotype Distribution by Classification: cmv_pp150 Prob threshold = 0.96 Comparing hard vs soft classifications 400 300 400 Count Count 200 Seropositive 200 Probability 100 0.75 0.50 0.25 MFI (log scale) MFI (log scale) 10 1 000 10 000 10 1 000 10 000 Classification IgG Level vs Seropositive Probability: cmv_pp150 Distribution of Seropositive Probabilities: cmv_pp150 Red line = hard threshold, Blue line = 50% probability Red line = 50% threshold Ambiguous High-conf Seronegative 1.00 High-conf Seropositive 3000 Classification Seropositive Probability 0.75 0.50 0.50 Hard Positive, Soft Low 2000 Hard+Soft Negative Count Hard+Soft Positive 1000 0.00 0.25 1 000 10 000 0.00 0.50 0.75 10 MFI (log scale) Seropositive Probability PC1_assay_noise vs IgG Level: cmv_pp150 Hard vs Soft Classification: cmv_pp150 Faceted by probability group (free scales) Red line = 50% soft threshold, Blue line = hard threshold 1.00 15 Soft Probability (0-1) 05.0 52.0 PC1_assay_noise 10 Seropositive 1 000 3 000 10 000 10 30 100 Seronegative Hard Classification (0/1) MFI (log scale)