Table S4. Results and cluster assignment for the newborns with positive blood culture (confirmed EONS, n=10)

Case #	GA at delivery (wks)	CB Hp Switch pattern	CB IL-6 (pg/mL)	CB IL6 >100 (pg/mL)	Presumed EONS	Cluster-2 probability (%)	Likely Exposed	Cultivated microorganisms
1*	28 $^{1/7}$	OFF	77	NO	YES	20	NO	*Staphylococcus* spp *Corynebacterium* spp
2	26 $^{1/7}$	ON	49,835	YES	YES	100	YES	*Streptococcus* Group B
3	24 $^{1/7}$	ON	19,818	YES	YES	100	YES	*Escherichia coli*
4	30 $^{2/7}$	OFF	1,533	YES	NO	70	YES	*Escherichia coli*
5*	26 $^{2/7}$	OFF	6	NO	NO	2	NO	*Staphylococcus* spp
6	25 $^{1/7}$	ON	90	NO	YES	97	YES	*Escherichia coli*
7	24 $^{4/7}$	ON	461	YES	YES	100	YES	*Escherichia coli*
8	25 $^{0/7}$	ON	354,860	YES	NO	100	YES	*Escherichia coli*
9	25 $^{5/7}$	ON	3,252	YES	NO	100	YES	*Streptococcus* Group B
10	24 $^{6/7}$	ON	7,744	YES	NO	100	YES	*Streptococcus* Group B

* Cases 1 & 5 were classified as "likely non-exposed" by our algorithm despite the fact that blood cultures returned a positive result. The nature of the cultivated microorganism argues for *ex vivo* contamination of the specimen rather than EONS. The remaining cases were all classified as "likely exposed" despite infection with either Gram positive (n=3) or Gram negative species (n=5).