

# Patient 2

**spa type**

dominant spa type
related to dominant spa type
not related to dominant spa type

**phenotype**

positive
negative

**pigment**

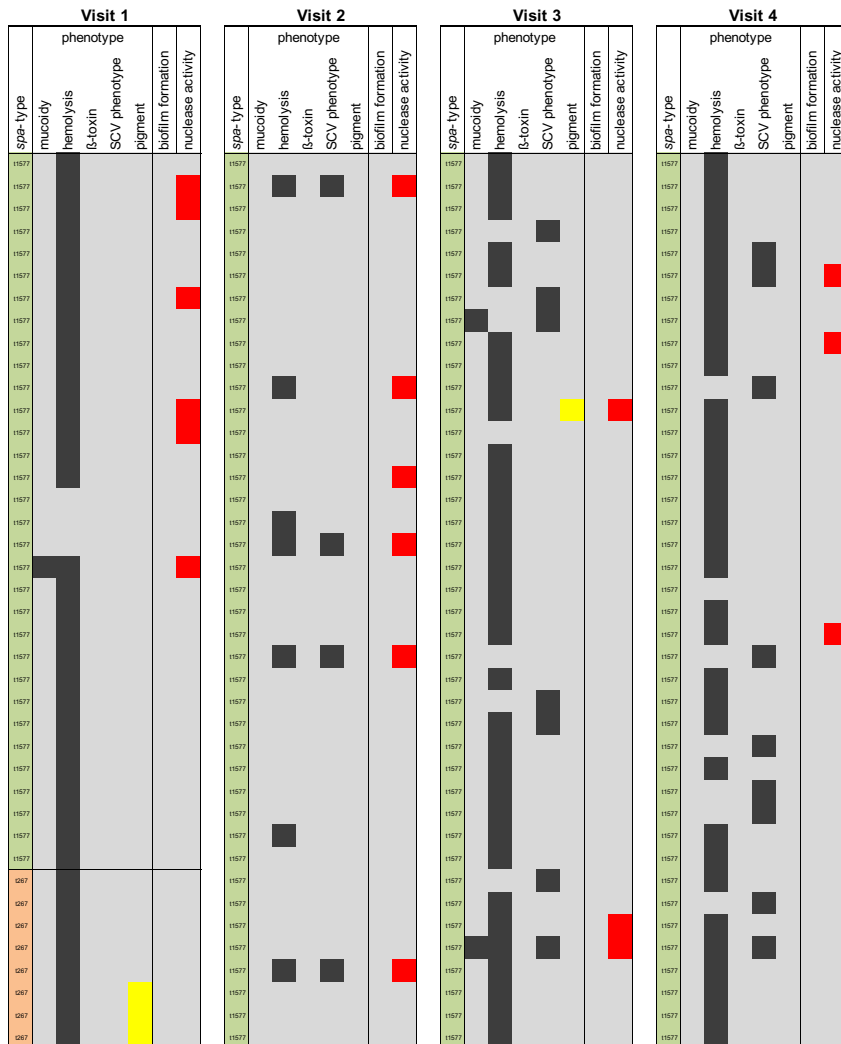
grey
white
yellow

**biofilm formation**

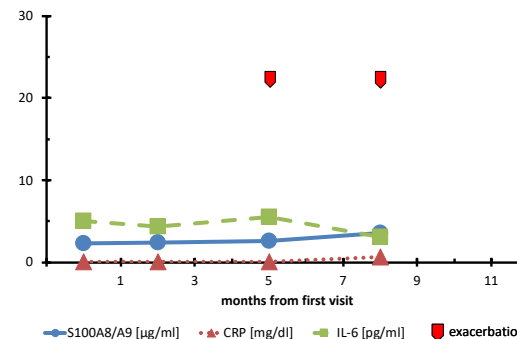
< 10%
> 10%

**nuclease activity**

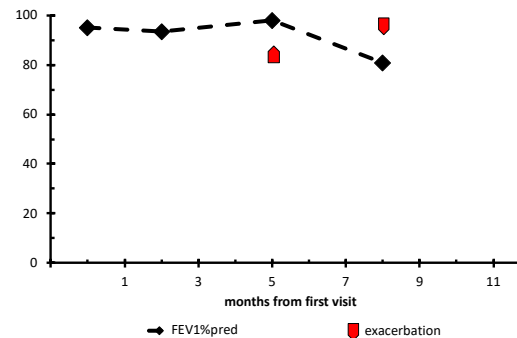
< 100 %
> 100 %



	months from first visit	0	2	5	8
<b>exacerbation</b>		-	-	+	+
<b><i>P. aeruginosa</i> coinfection</b>		negative	negative	negative	negative
<b>CFU <i>S. aureus</i></b>		$9.6 \times 10^7$	$7.2 \times 10^7$	$1.5 \times 10^6$	$1.6 \times 10^7$
<b><i>P. aeruginosa</i></b>		0	0	0	0



Inflammation marker	Visit 1	Visit 2	Visit 3	Visit 4
S100A8/A9 [µg/ml]	2.29	2.46	2.59	3.59
CRP [mg/dl]	0.03	0.06	0.03	0.66
IL-6 [pg/ml]	5.08	4.38	5.57	3.11



Lung function	Visit 1	Visit 2	Visit 3	Visit 4
FEV1%pred	95.08	93.46	98.08	80.77

# Patient 3

**spa type**

dominant spa type
related to dominant spa type
not related to dominant spa type

**phenotype**

positive
negative

**pigment**

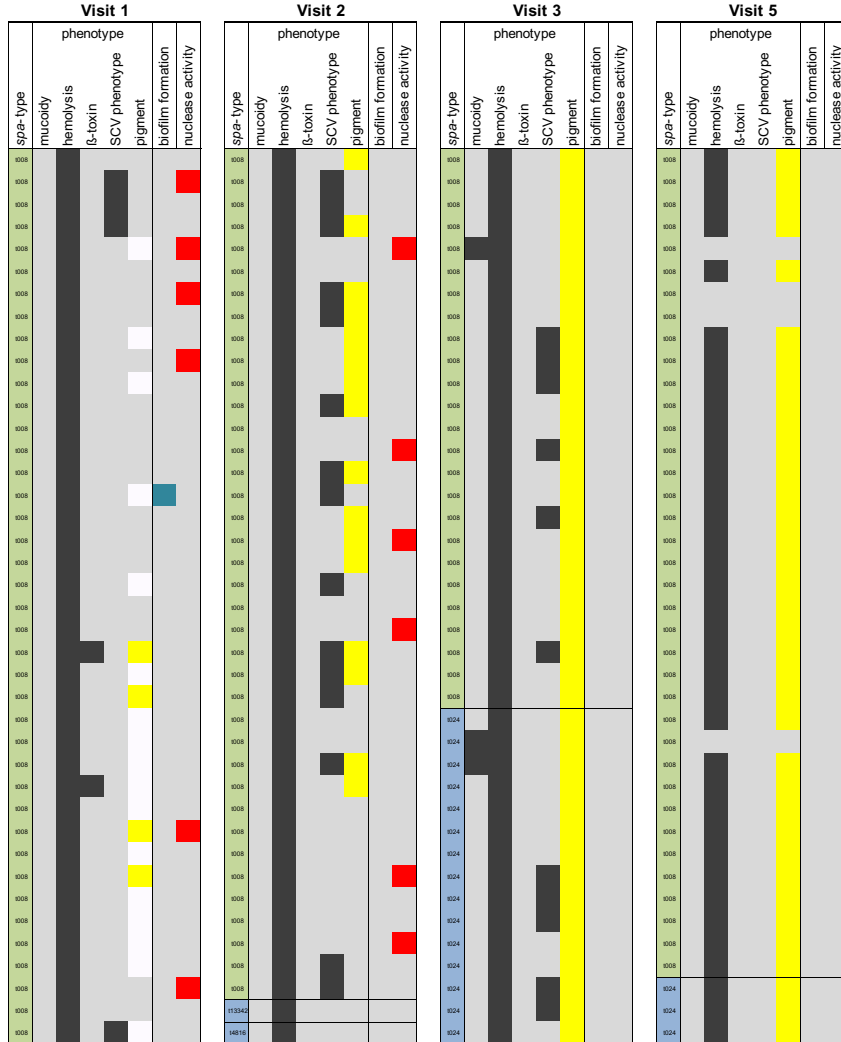
grey
white
yellow

**biofilm formation**

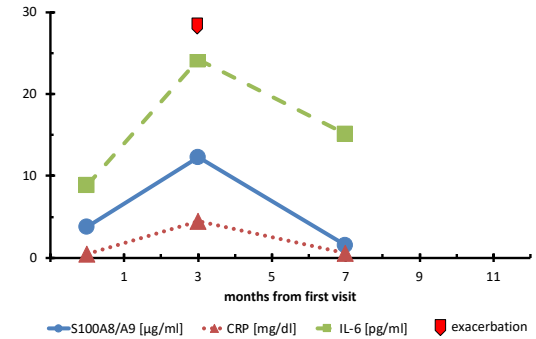
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> 10%

**nuclease activity**

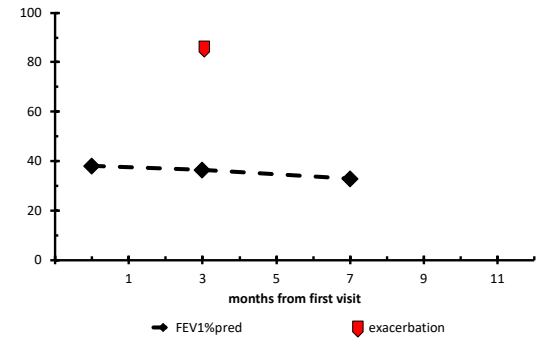
< 100 %
> 100 %



months from first visit	0	3	7	13
exacerbation	-	+	-	-
<i>P. aeruginosa</i> coinfection	chronic	chronic	chronic	chronic
CFU <i>S. aureus</i>	$2.4 \times 10^7$	$3.2 \times 10^5$	$4.8 \times 10^3$	$1.0 \times 10^3$
CFU <i>P. aeruginosa</i>	$1.2 \times 10^7$	$1.2 \times 10^4$	$4.0 \times 10^5$	$4.0 \times 10^5$

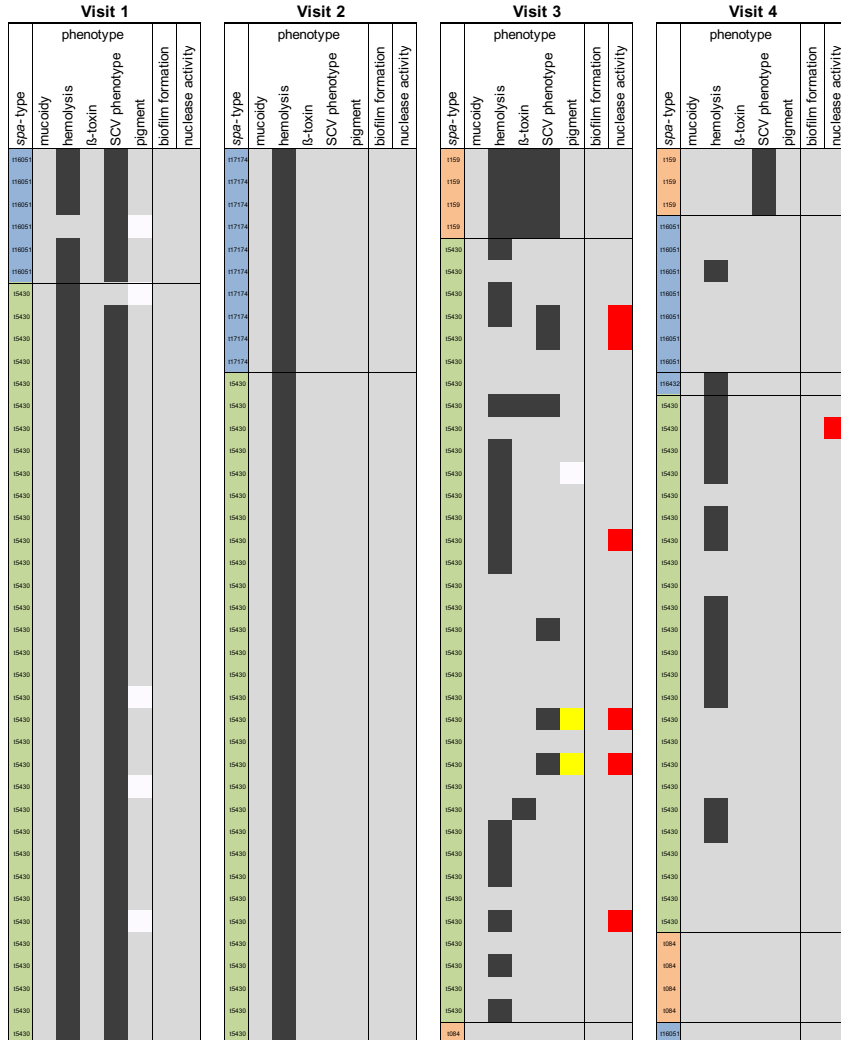
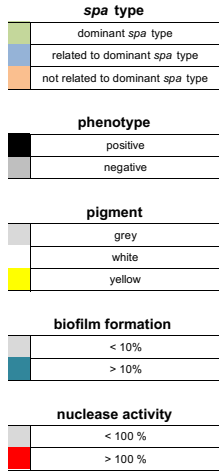


Inflammation marker	Visit 1	Visit 2	Visit 3	Visit 5
S100A8/A9 [ $\mu\text{g/ml}$ ]	3.80	12.31	1.58	missing
CRP [mg/dl]	0.49	4.44	0.54	missing
IL-6 [pg/ml]	8.82	24.20	15.10	missing

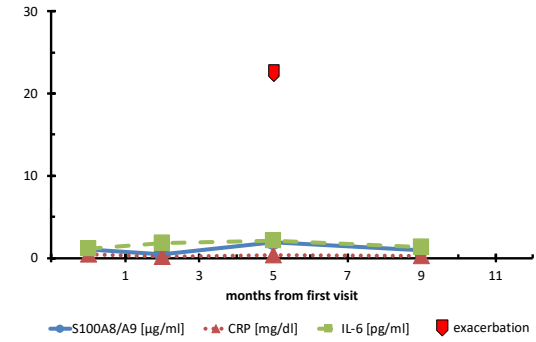


Lung function	Visit 1	Visit 2	Visit 3	Visit 5
FEV1%pred	38.03	36.36	33.03	missing

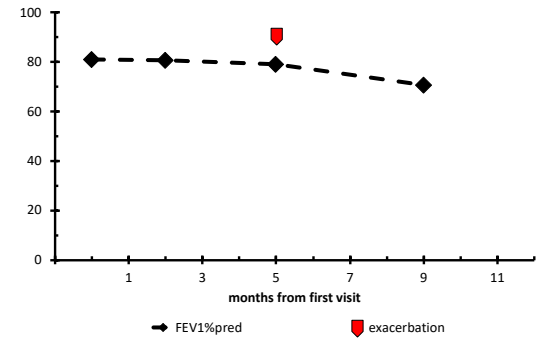
# Patient 4



months from first visit	0	2	5	9
exacerbation	-	-	+	-
<i>P. aeruginosa</i> coinfection	negative	negative	negative	negative
CFU <i>S. aureus</i>	$1.4 \times 10^7$	$1.2 \times 10^7$	$4.0 \times 10^6$	$2.2 \times 10^7$
<i>P. aeruginosa</i>	0	0	0	0

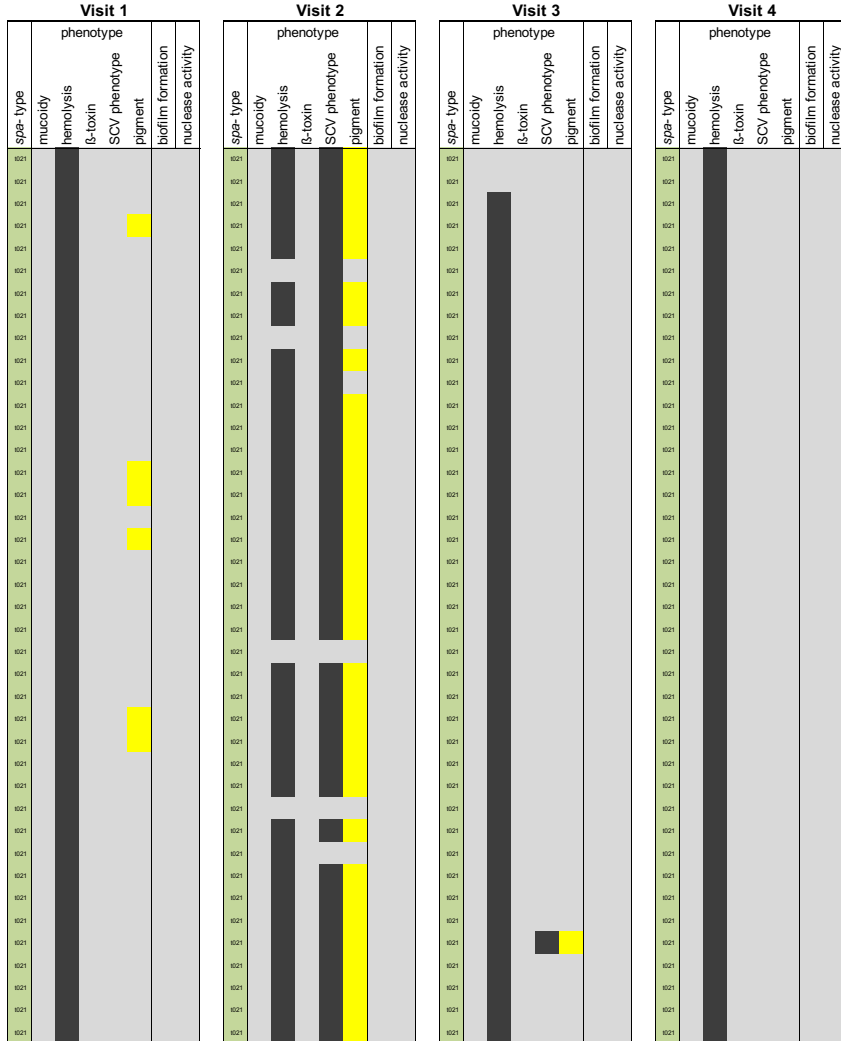
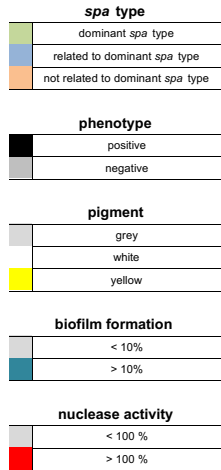


Inflammation marker	Visit 1	Visit 2	Visit 3	Visit 4
S100A8/A9 [µg/ml]	1.04	0.40	1.93	0.90
CRP [mg/dl]	0.48	0.14	0.30	0.20
IL-6 [pg/ml]	1.12	1.77	2.13	1.35

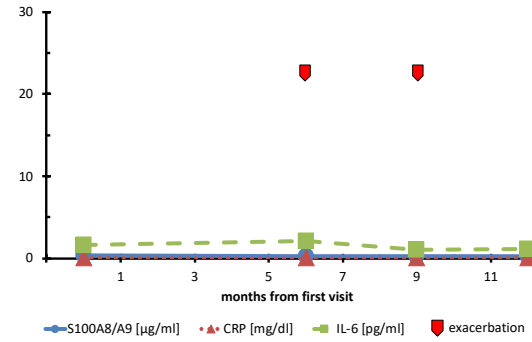


Lung function	Visit 1	Visit 2	Visit 3	Visit 4
FEV1%pred	80.93	80.85	79.23	70.80

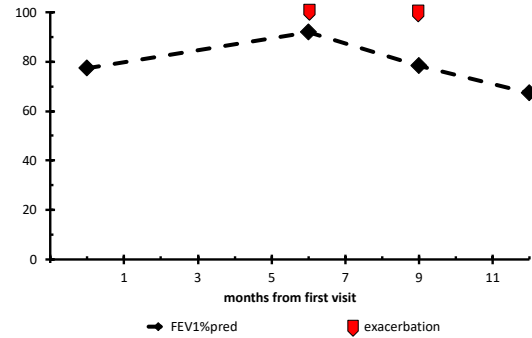
# Patient 5



months from first visit	0	6	9	12
exacerbation	-	+	+	-
<i>P. aeruginosa</i> coinfection	chronic	chronic	chronic	chronic
CFU <i>S. aureus</i>	$2.2 \times 10^4$	$2.0 \times 10^4$	$2.4 \times 10^6$	$2.4 \times 10^6$
CFU <i>P. aeruginosa</i>	$4.0 \times 10^5$	$8.0 \times 10^5$	$1.2 \times 10^5$	$1.2 \times 10^5$

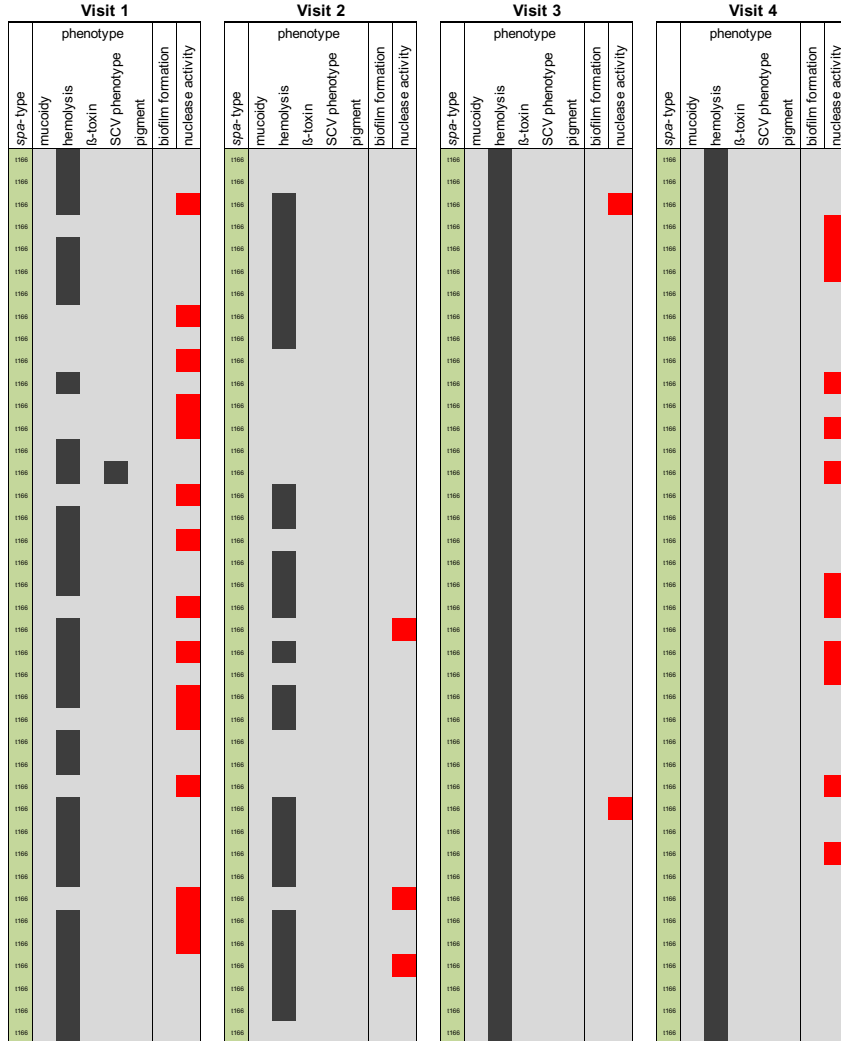
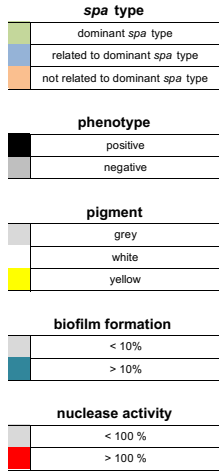


Inflammation marker	Visit 1	Visit 2	Visit 3	Visit 4
S100A8/A9 [ $\mu\text{g/ml}$ ]	0.35	0.24	0.22	0.22
CRP [mg/dl]	0.05	0.03	0.03	0.05
IL-6 [pg/ml]	1.61	2.07	1.03	1.14

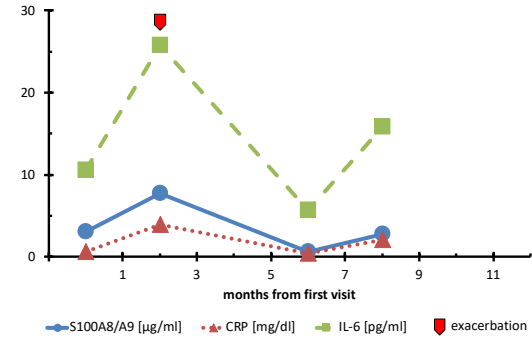


Lung function	Visit 1	Visit 2	Visit 3	Visit 4
FEV1%pred	77.41	91.93	78.23	67.35

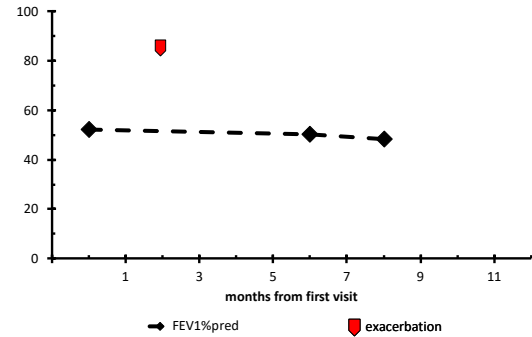
# Patient 6



months from first visit	0	2	6	8
exacerbation	-	+	-	-
<i>P. aeruginosa</i> coinfection	negative	negative	negative	negative
CFU <i>S. aureus</i>	$3.6 \times 10^6$	$2.0 \times 10^5$	$1.6 \times 10^7$	$1.6 \times 10^7$
<i>P. aeruginosa</i>	0	0	0	0

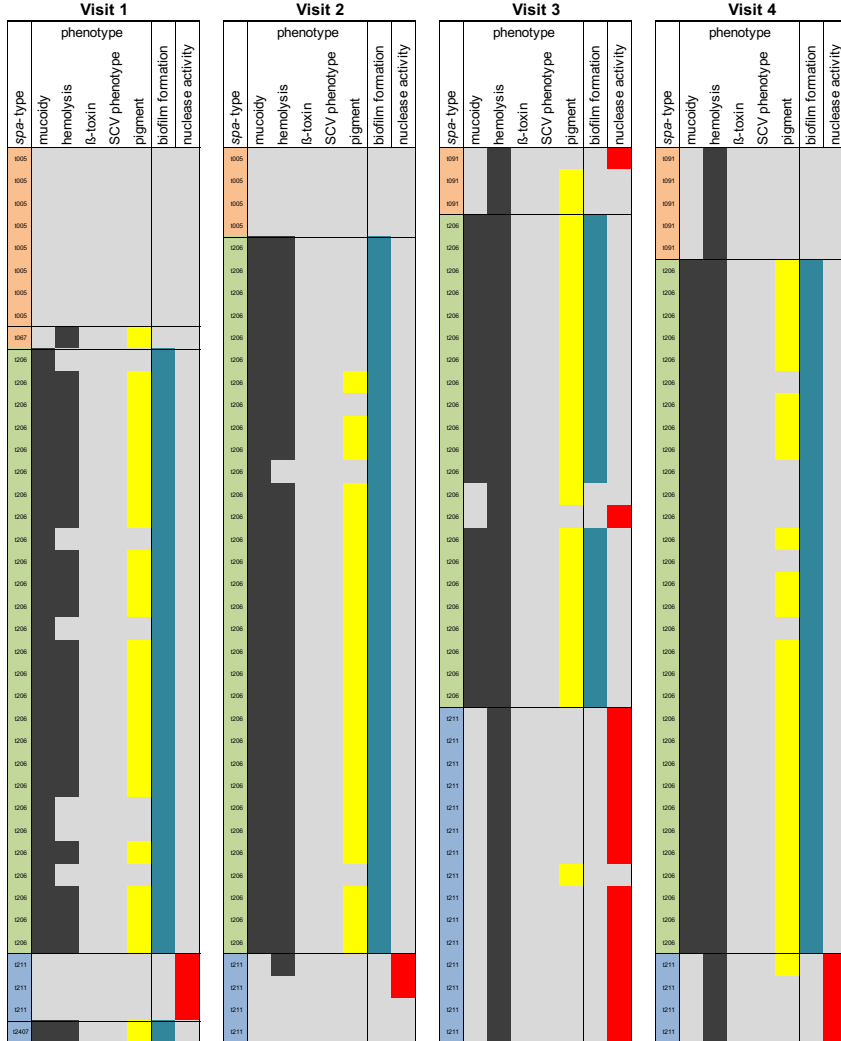
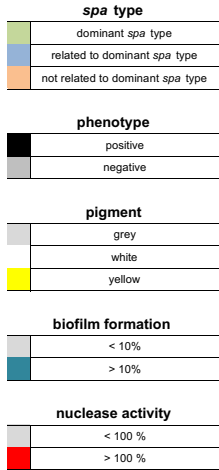


Inflammation marker	Visit 1	Visit 2	Visit 3	Visit 4
S100A8/A9 [µg/ml]	3.05	7.74	0.61	2.77
CRP [mg/dl]	0.60	3.91	0.39	2.08
IL-6 [pg/ml]	10.54	25.70	5.71	15.80

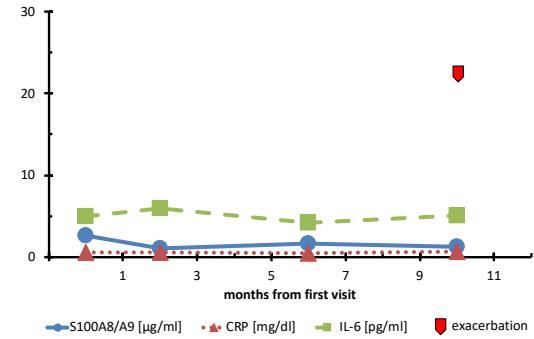


Lung function	Visit 1	Visit 2	Visit 3	Visit 4
FEV1%pred	52.18	missing	50.15	48.44

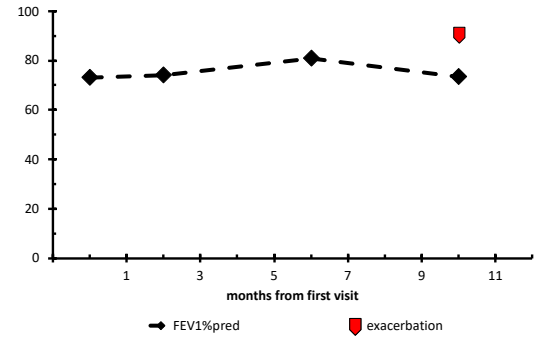
# Patient 7



months from first visit	0	2	6	10
exacerbation	-	-	-	+
<i>P. aeruginosa</i> coinfection	negative	negative	negative	negative
CFU <i>S. aureus</i>	$1.0 \times 10^3$	$4.0 \times 10^5$	$2.6 \times 10^5$	$1.1 \times 10^9$
CFU <i>P. aeruginosa</i>	0	0	0	0

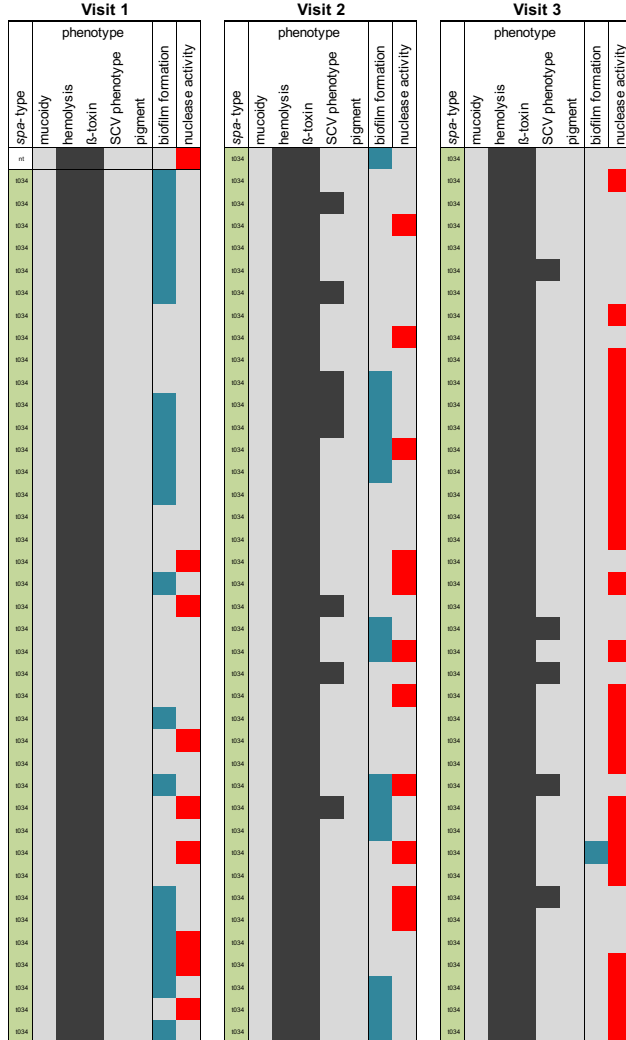
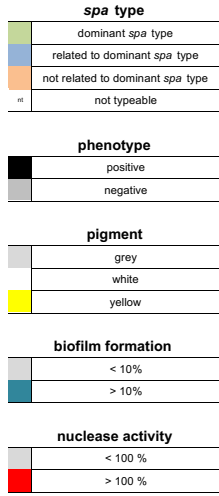


Inflammation marker	Visit 1	Visit 2	Visit 3	Visit 4
S100A8/A9 [µg/ml]	2.58	1.08	1.62	1.22
CRP [mg/dl]	0.51	0.52	0.43	0.68
IL-6 [pg/ml]	4.97	5.93	4.22	5.01

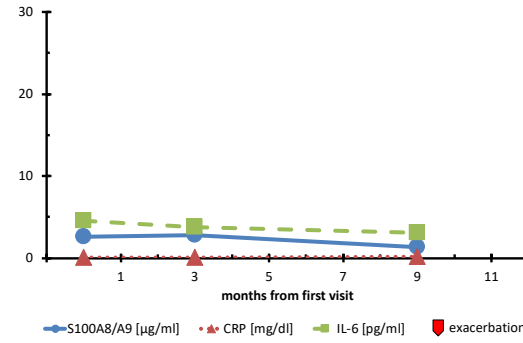


Lung function	Visit 1	Visit 2	Visit 3	Visit 4
FEV1%pred	73.19	74.15	80.92	73.51

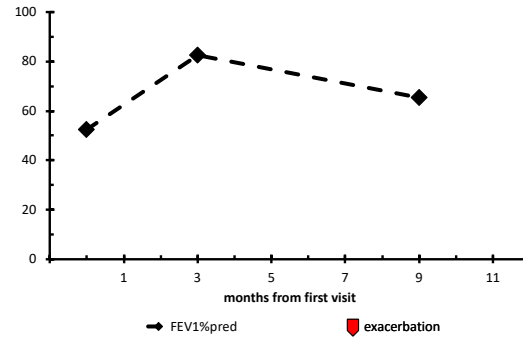
# Patient 8



months from first visit	0	3	9
exacerbation	-	-	-
<i>P. aeruginosa</i> coinfection	negative	negative	negative
CFU <i>S. aureus</i>	$4.0 \times 10^6$	$2.6 \times 10^9$	$1.0 \times 10^4$
<i>P. aeruginosa</i>	0	0	0

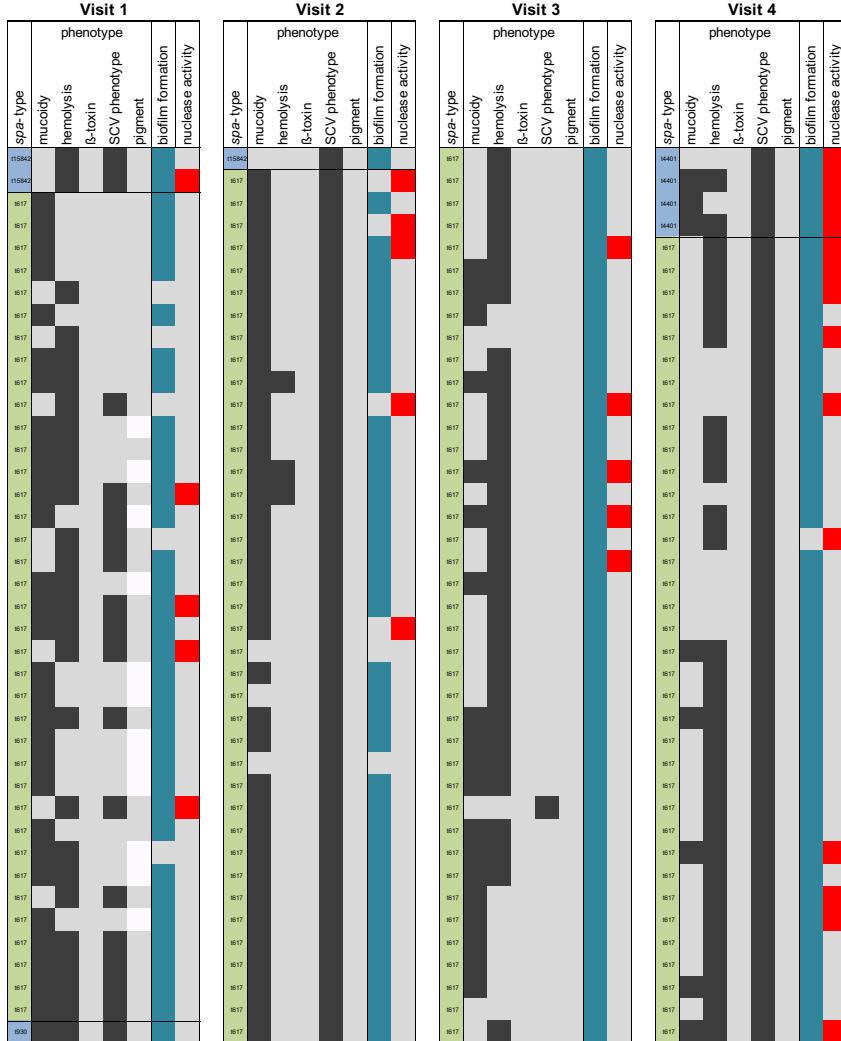
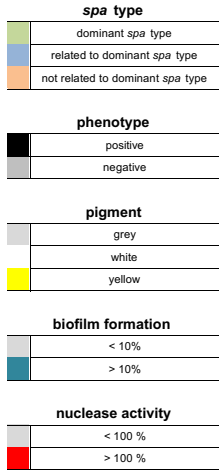


Inflammation marker	Visit 1	Visit 2	Visit 3
S100A8/A9 [µg/ml]	2.62	2.77	1.33
CRP [mg/dl]	0.07	0.03	0.16
IL-6 [pg/ml]	4.50	3.77	3.10

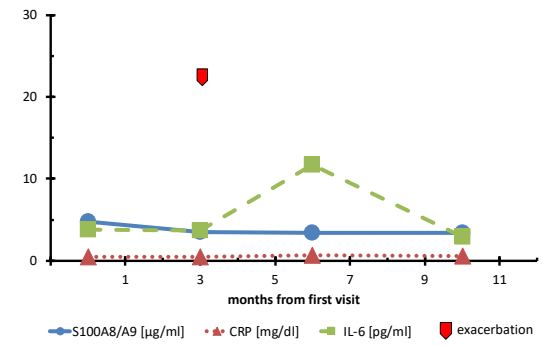


Lung function	Visit 1	Visit 2	Visit 3
FEV1%pred	52.54	82.63	65.48

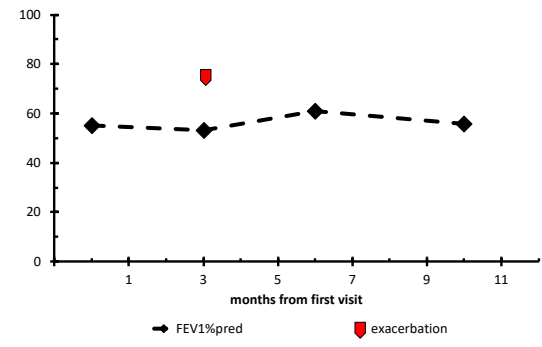
# Patient 10



months from first visit	0	3	6	10
exacerbation	-	+	-	-
<i>P. aeruginosa</i> coinfection	negative	negative	negative	negative
CFU <i>S. aureus</i>	$3.6 \times 10^5$	$3.6 \times 10^7$	$7.0 \times 10^5$	$1.8 \times 10^5$
CFU <i>P. aeruginosa</i>	0	0	0	0



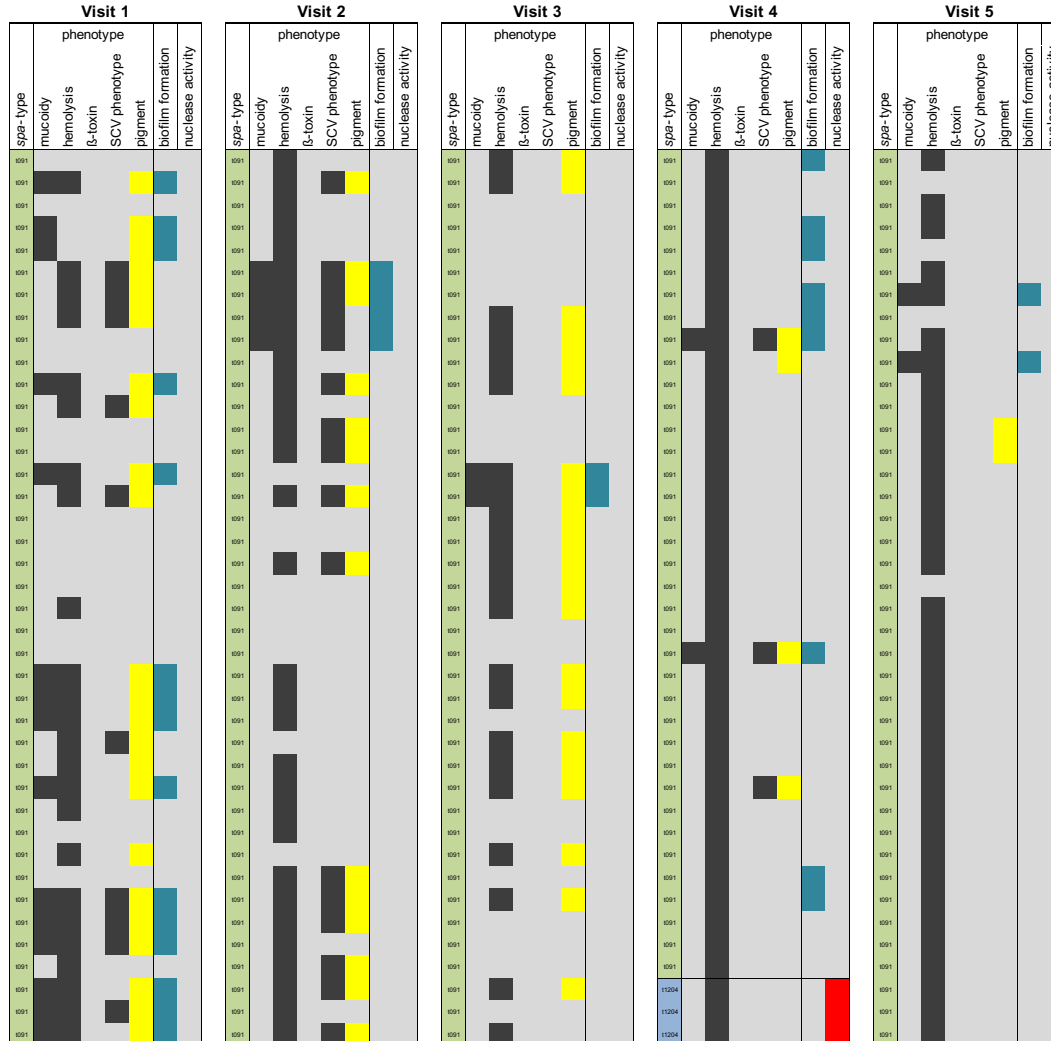
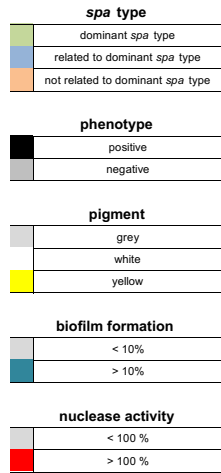
Inflammation marker	Visit 1	Visit 2	Visit 3	Visit 4
S100A8/A9 [μg/ml]	4.77	3.54	3.40	3.42
CRP [mg/dl]	0.46	0.44	0.63	0.55
IL-6 [pg/ml]	3.82	3.72	11.73	2.93



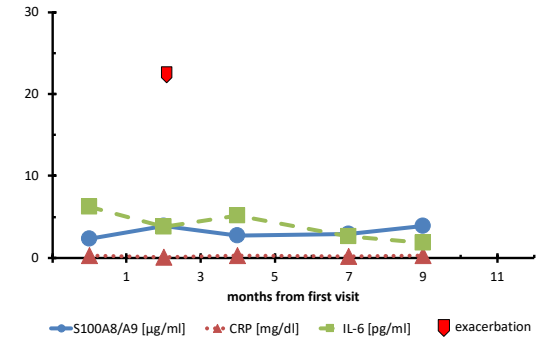
Lung function	Visit 1	Visit 2	Visit 3	Visit 4
FEV1%pred	55.15	53.08	61.12	55.88



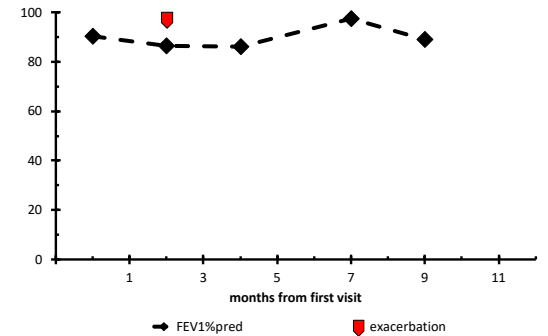
# Patient 11



months from first visit	0	2	4	7	9
exacerbation	-	+	-	-	-
<i>P. aeruginosa</i> coinfection	negative	negative	positive	positive	negative
CFU <i>S. aureus</i>	$3.2 \times 10^7$	$2.0 \times 10^8$	$1.2 \times 10^7$	$1.6 \times 10^6$	$6.4 \times 10^6$
CFU <i>P. aeruginosa</i>	0	0	$2.6 \times 10^4$	$1.0 \times 10^5$	0

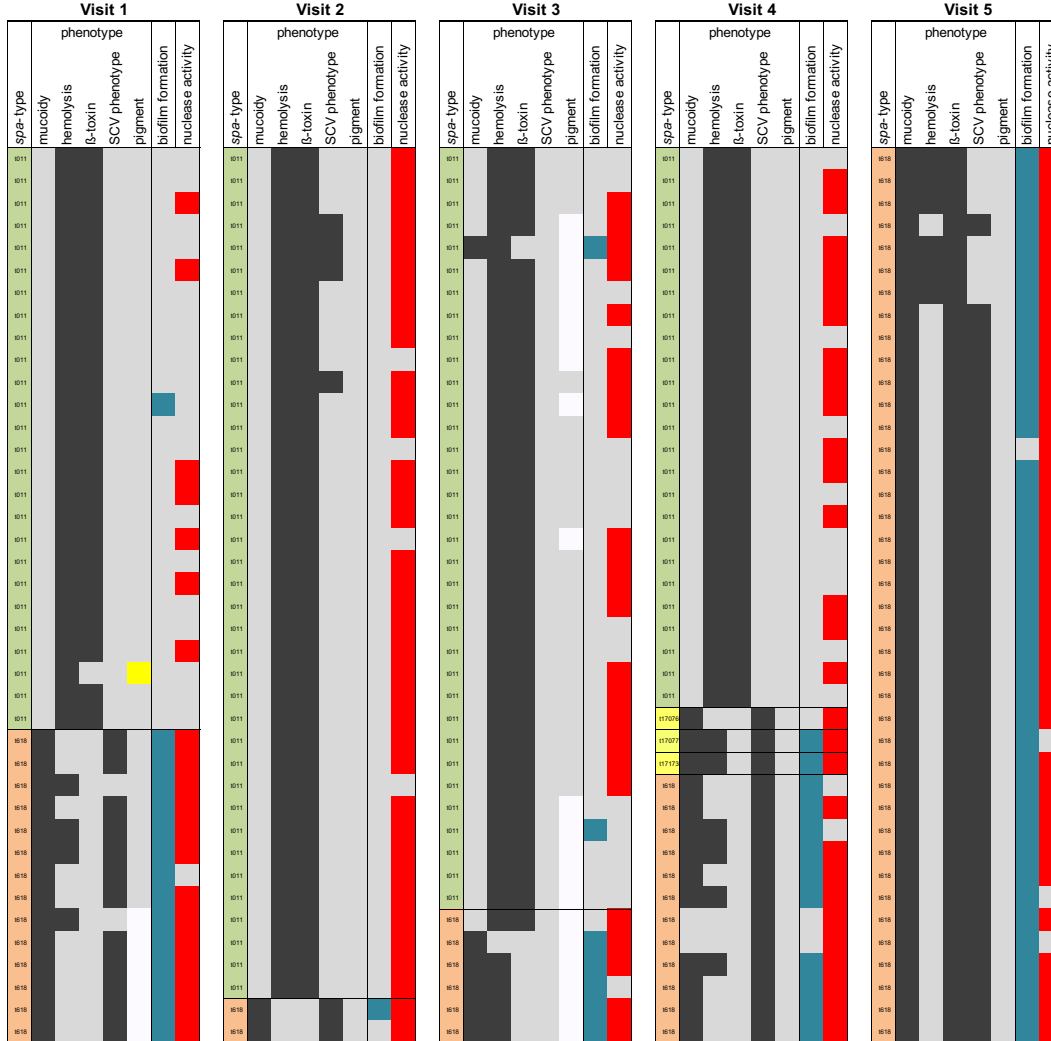
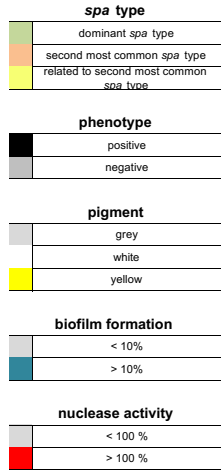


Inflammation marker	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5
S100A8/A9 [µg/ml]	2.33	3.88	2.69	2.97	3.86
CRP [mg/dl]	0.29	0.13	0.30	0.15	0.24
IL-6 [pg/ml]	6.28	3.78	5.13	2.59	1.82

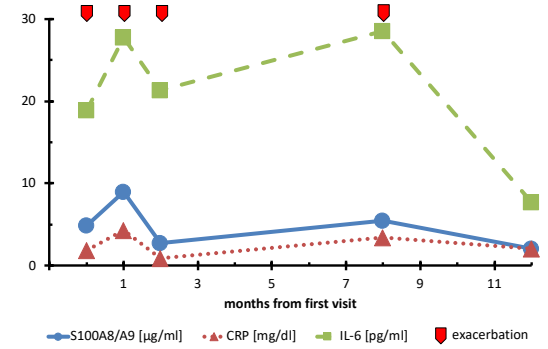


Lung function	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5
FEV1%pred	90.43	86.48	86.24	97.47	89.01

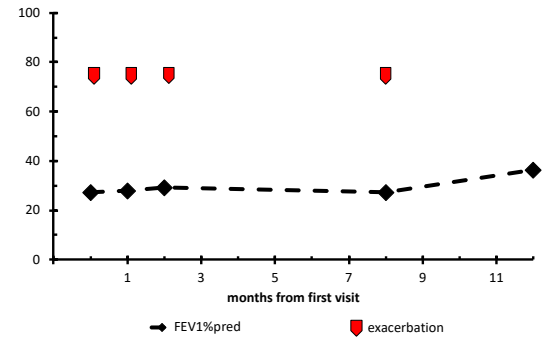
# Patient 12



months from first visit	0	1	2	8	12
exacerbation	+	+	+	+	-
<i>P. aeruginosa</i> coinfection	chronic	chronic	chronic	chronic	chronic
<i>S. aureus</i> CFU	$1.0 \times 10^3$	$3.2 \times 10^7$	$2.4 \times 10^7$	$2.0 \times 10^5$	$1.0 \times 10^4$
<i>P. aeruginosa</i> CFU	$9.2 \times 10^7$	$1.5 \times 10^8$	$2.6 \times 10^8$	$1.2 \times 10^7$	$1.6 \times 10^7$



Inflammation marker	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5
S100A8/A9 [μg/ml]	4.89	8.96	2.76	5.44	2.08
CRP [mg/dl]	1.89	4.31	0.91	3.42	2.01
IL-6 [pg/ml]	18.90	27.80	21.30	28.50	7.73



Lung function	Visit 1	Visit 2	Visit 3	Visit 4	Visit 5
FEV1%pred	27.23	27.87	29.29	27.36	36.39

# Patient 13

spa type	
<span style="background-color: #c8e6c9; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	dominant spa type
<span style="background-color: #bbdefb; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	related to dominant spa type
<span style="background-color: #ffe0b2; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	not related to dominant spa type
nt	not typeable

phenotype	
<span style="background-color: black; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	positive
<span style="background-color: grey; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	negative

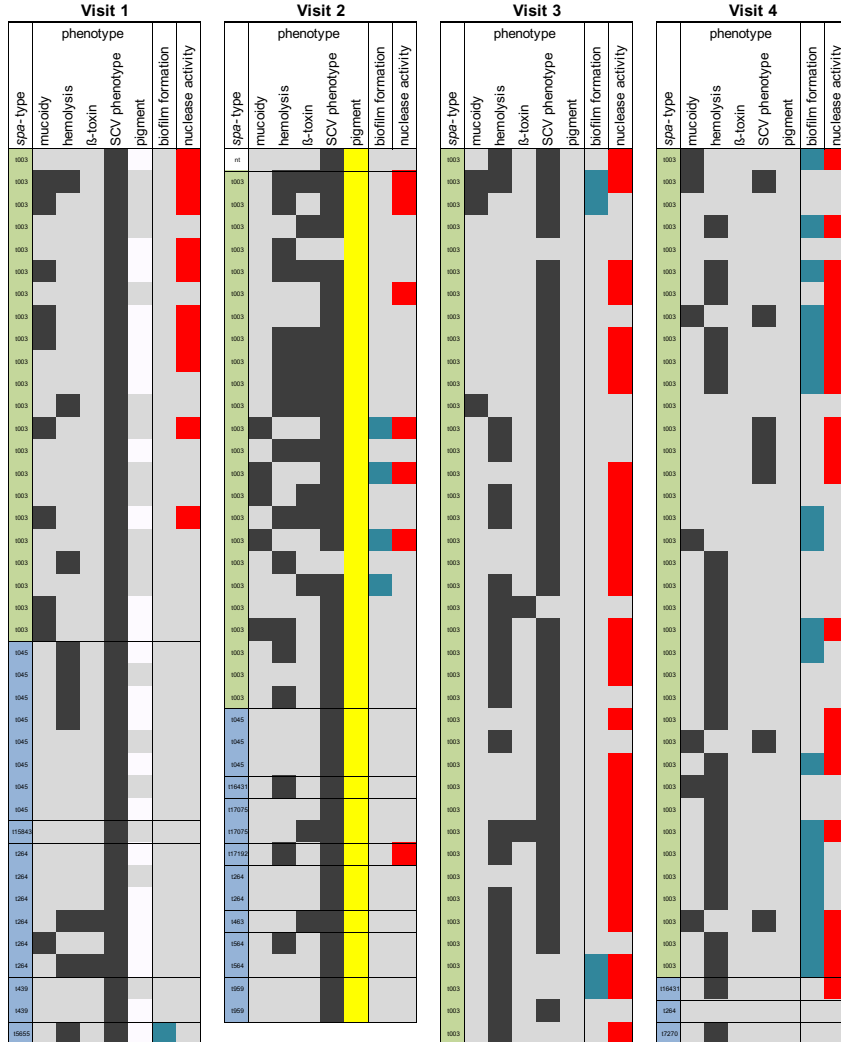
pigment	
<span style="background-color: lightgrey; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	grey
<span style="background-color: white; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	white
<span style="background-color: yellow; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	yellow

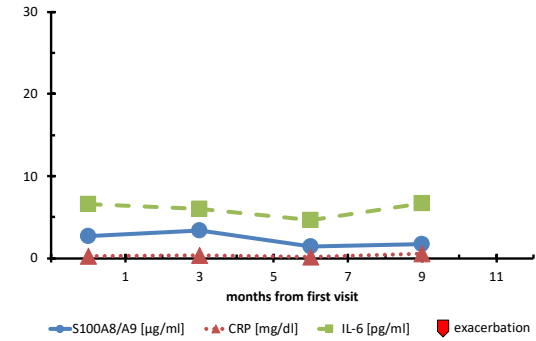
biofilm formation	
<span style="background-color: lightgrey; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	< 10%
<span style="background-color: #4fc3f7; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	> 10%

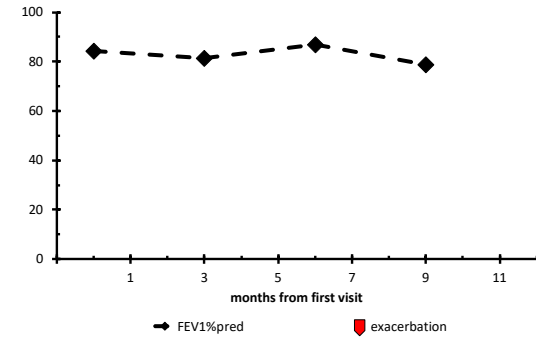
nuclease activity	
<span style="background-color: lightgrey; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	< 100 %
<span style="background-color: red; border: 1px solid black; width: 10px; height: 10px; display: inline-block;"></span>	> 100 %



months from first visit	0	3	6	9
exacerbation	-	-	-	-
<i>P. aeruginosa</i> coinfection	chronic	chronic	chronic	chronic
CFU <i>S. aureus</i>	$4.4 \times 10^7$	$2.8 \times 10^6$	$4.0 \times 10^6$	$2.7 \times 10^5$
CFU <i>P. aeruginosa</i>	$1.6 \times 10^8$	$3.0 \times 10^7$	$2.0 \times 10^7$	$2.4 \times 10^7$



Inflammation marker	Visit 1	Visit 2	Visit 3	Visit 4
S100A8/A9 [µg/ml]	2.67	3.36	1.41	1.75
CRP [mg/dl]	0.25	0.34	0.17	0.53
IL-6 [pg/ml]	6.60	6.03	4.63	6.68



Lung function	Visit 1	Visit 2	Visit 3	Visit 4
FEV1%pred	84.42	81.53	86.83	78.94

# Patient 14

**spa type**

- dominant spa type
- related to dominant spa type
- not related to dominant spa type

**phenotype**

- positive
- negative

**pigment**

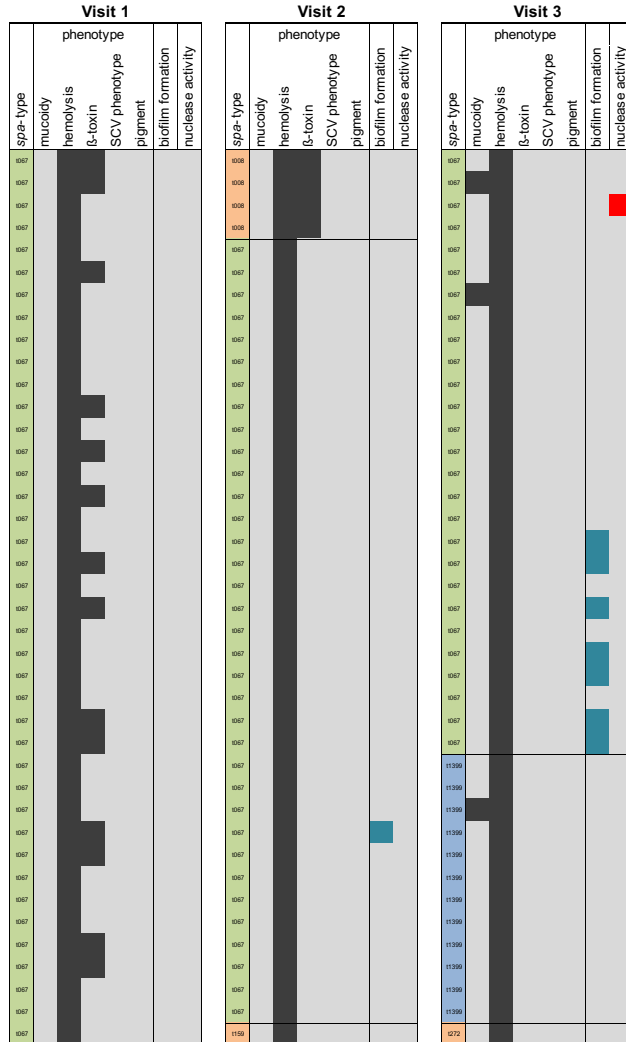
- grey
- white
- yellow

**biofilm formation**

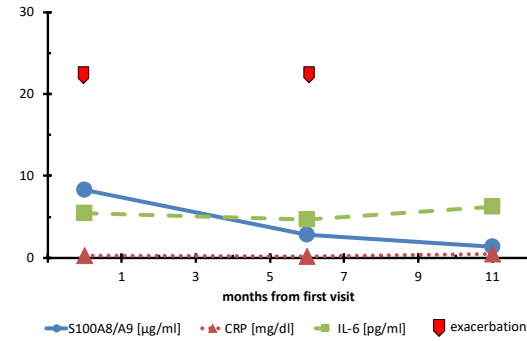
- < 10%
- > 10%

**nuclease activity**

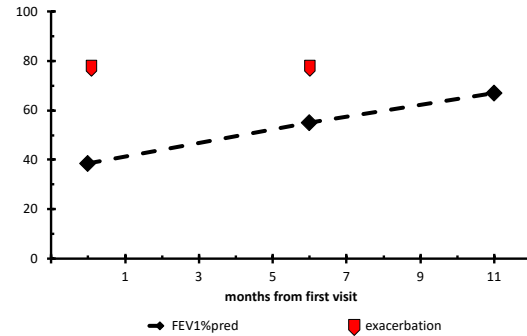
- < 100 %
- > 100 %



months from first visit	0	6	11
exacerbation	+	+	-
<i>P. aeruginosa</i> coinfection	chronic	chronic	chronic
CFU <i>S. aureus</i>	$1.2 \times 10^6$	$2.0 \times 10^7$	$2.0 \times 10^7$
CFU <i>P. aeruginosa</i>	$7.6 \times 10^7$	$2.4 \times 10^7$	$1.4 \times 10^8$



Inflammation marker	Visit 1	Visit 2	Visit 3
S100A8/A9 [ $\mu\text{g/ml}$ ]	8.34	2.82	1.39
CRP [mg/dl]	0.26	0.23	0.48
IL-6 [pg/ml]	5.42	4.69	6.24



Lung function	Visit 1	Visit 2	Visit 3
FEV1%pred	38.45	55.21	67.01