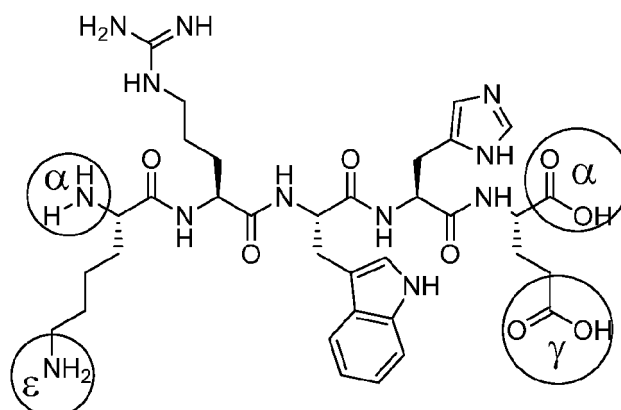


Figure 1

<u>Full name</u>	<u>abbreviation</u>	<u>sequence</u>
<u>[αKγE]cyCD44v6/3</u>	<i>alga-1</i>	cy[αKRWHEγ]
<u>[εKγE]cyCD44v6/3</u>	<i>epqa-1</i>	cy[εKRWHEγ]
<u>[αKαE]cyCD44v6/4</u>	<i>alal-1</i>	cy[αKRWHEα]
<u>[εKαE]cyCD44v6/4</u>	<i>epal-1</i>	cy[εKRWHEα]
<u>[αKγE]cyCD44v6/4</u>	<i>alga-2</i>	cy[αKNRWHEγ]
<u>[εKγE]cyCD44v6/4</u>	<i>epqa-2</i>	cy[εKNRWHEγ]
<u>[αKαE]cyCD44v6/5</u>	<i>alal-2</i>	cy[αKNRWHEα]
<u>[εKαE]cyCD44v6/5</u>	<i>epal-2</i>	cy[εKNRWHEα]
<u>[αKγE]cyCD44v6/5</u>	<i>alga-3</i>	cy[αKGNRWHEγ]
<u>[εKγE]cyCD44v6/5</u>	<i>epqa-3</i>	cy[εKGNRWHEγ]
<u>[αKαE]cyCD44v6/6</u>	<i>alal-3</i>	cy[αKGNRWHEα]
<u>[εKαE]cyCD44v6/6</u>	<i>epal-3</i>	cy[εKGNRWHEα]
DOTA-[αKγAbu]cyCD44v6/3	<i>algaba-1</i>	DOTA-cy[αKRWHγAbu]

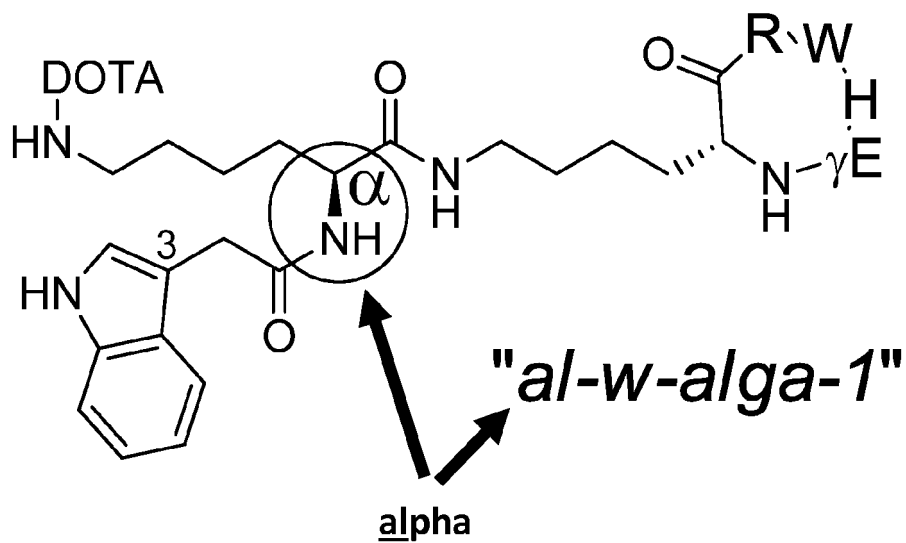
Side chain derivatives

DOTA-sp[αKγE]cyCD44v6/3 *sp-alga-1* DOTA-GGL-cy[αKRWHEγ]

Figure 2**Lys as linker & aromatic-hydrophobic modifications:**

α or ϵ : „f“: phenyl acetic acid „w“: 3-indole acetic acid

Example:



al-f-alga-1 (ϵ -DOTA- α -phenyl acetic acid)Lys-cy[α KRWHE γ]

ep-f-alga-1 (α -DOTA- ϵ - phenyl acetic acid)Lys-cy[α KRWHE γ]

al-w-alga-1 (ϵ -DOTA- α -indole acetic acid)Lys-cy[α KRWHE γ]

ep-w-alga-1 (α -DOTA- ϵ - indole acetic acid)Lys-cy[α KRWHE γ]

Figure 3

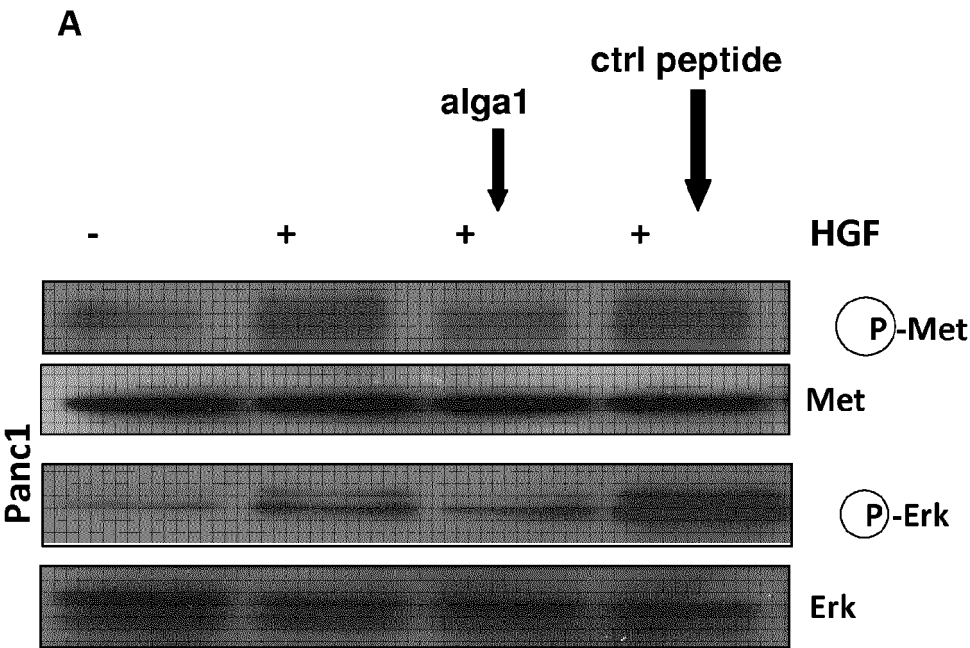
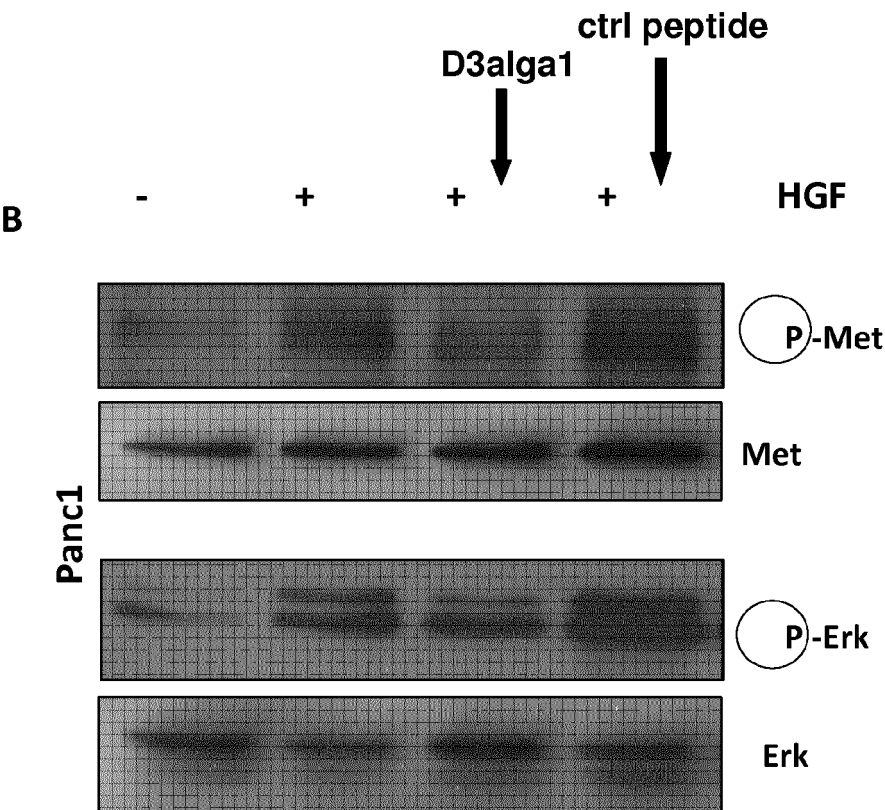


Figure 4

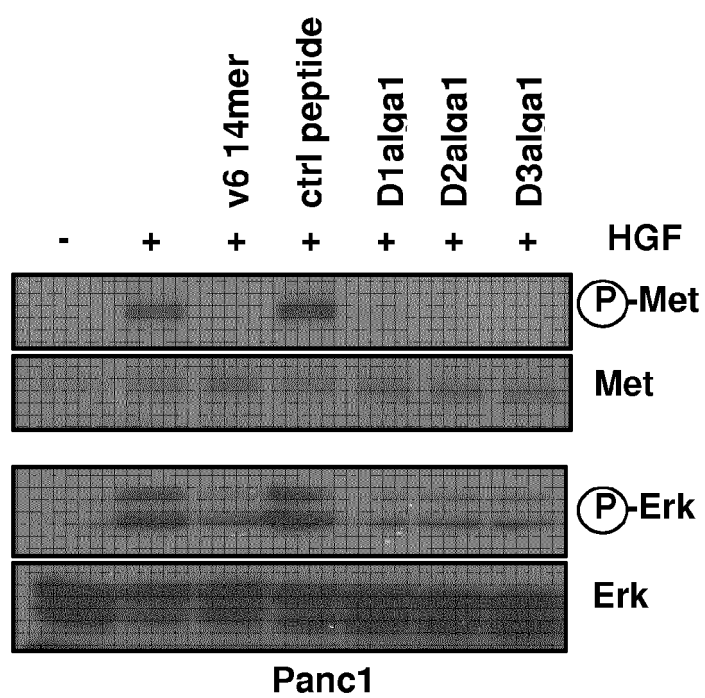


Figure 5

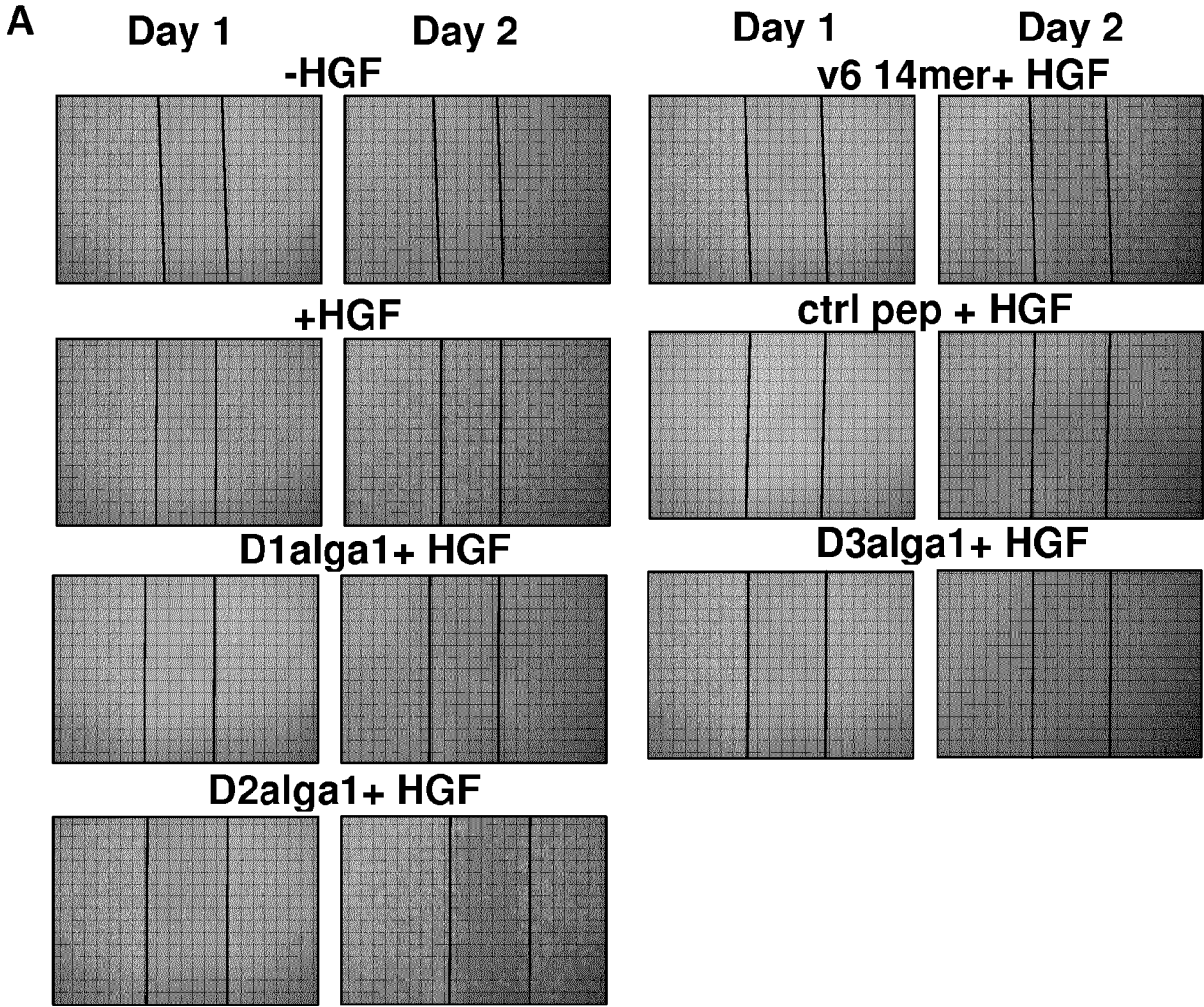


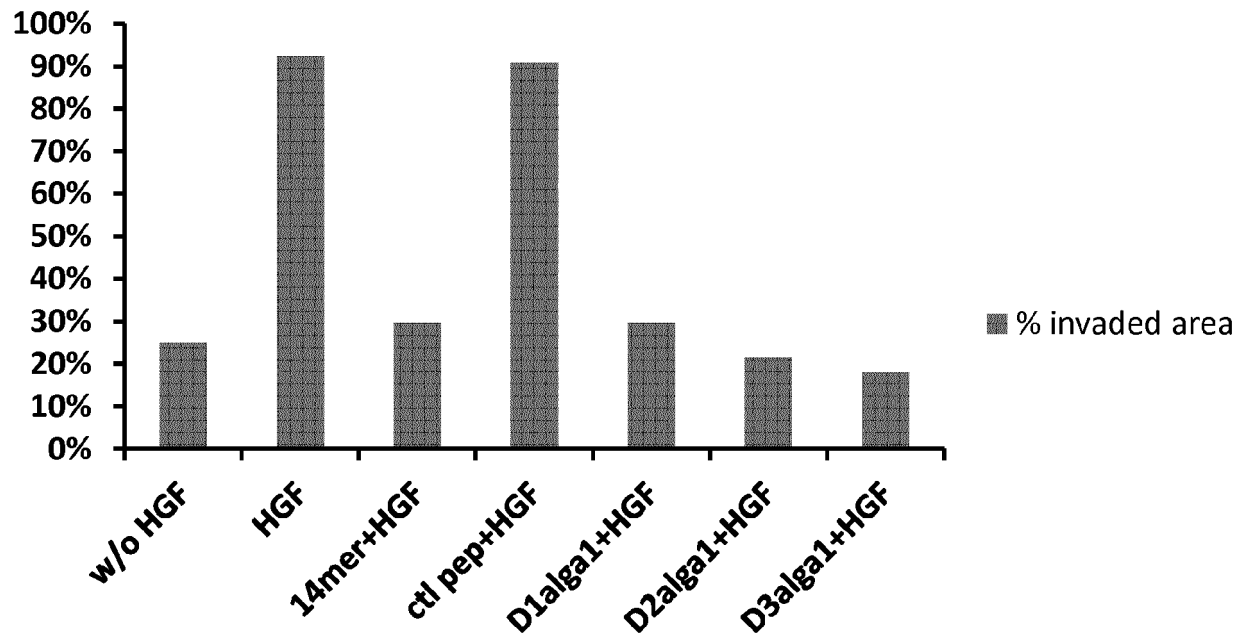
Figure 5 (continued)**B**

Figure 6

A

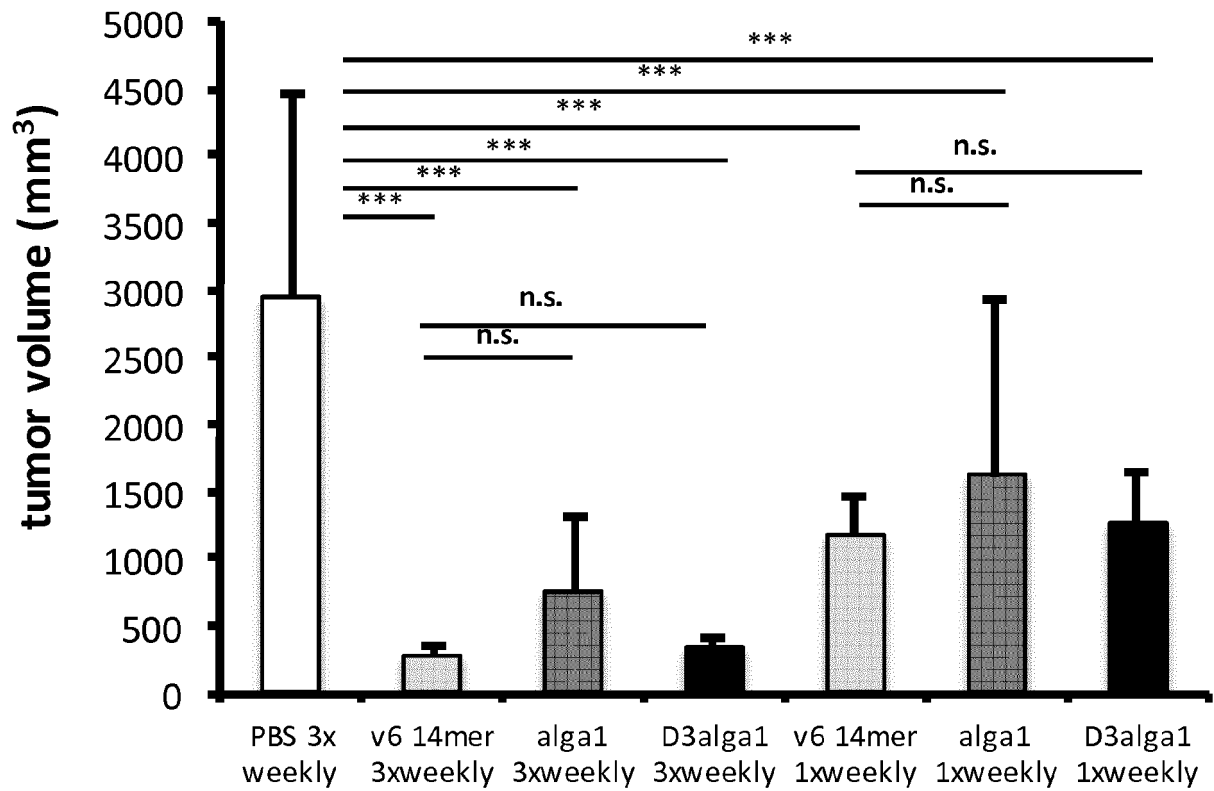


Figure 6 (continued)

B

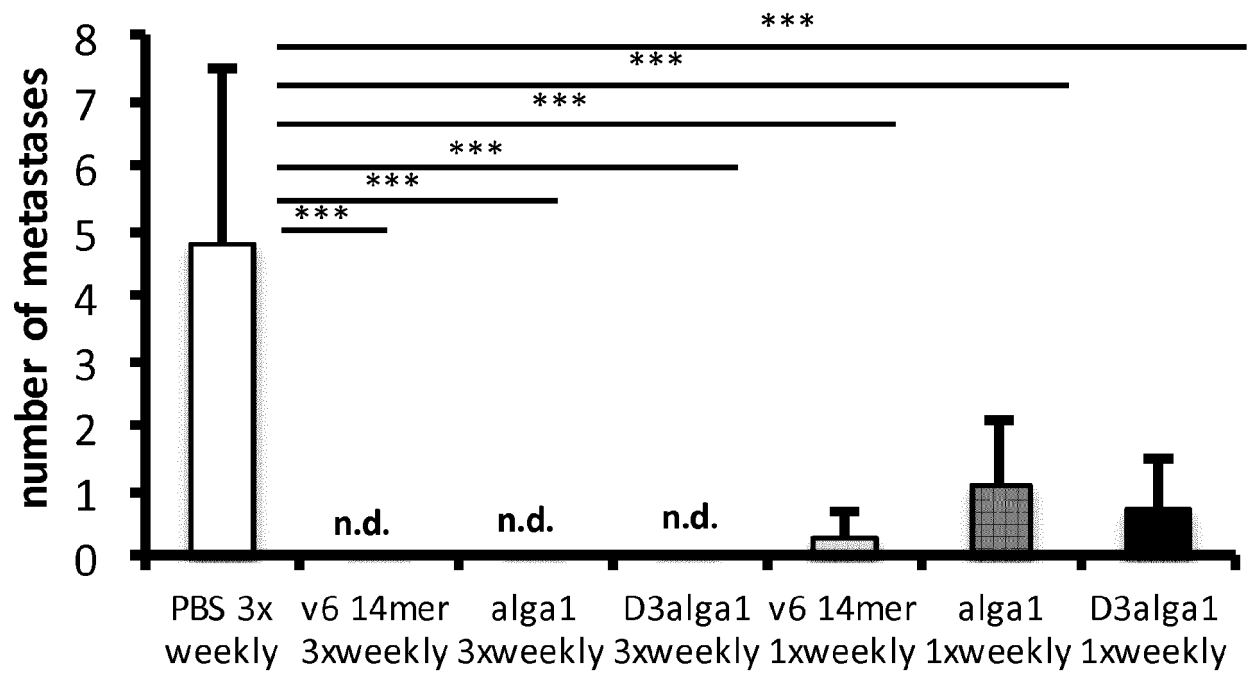


Figure 7

A

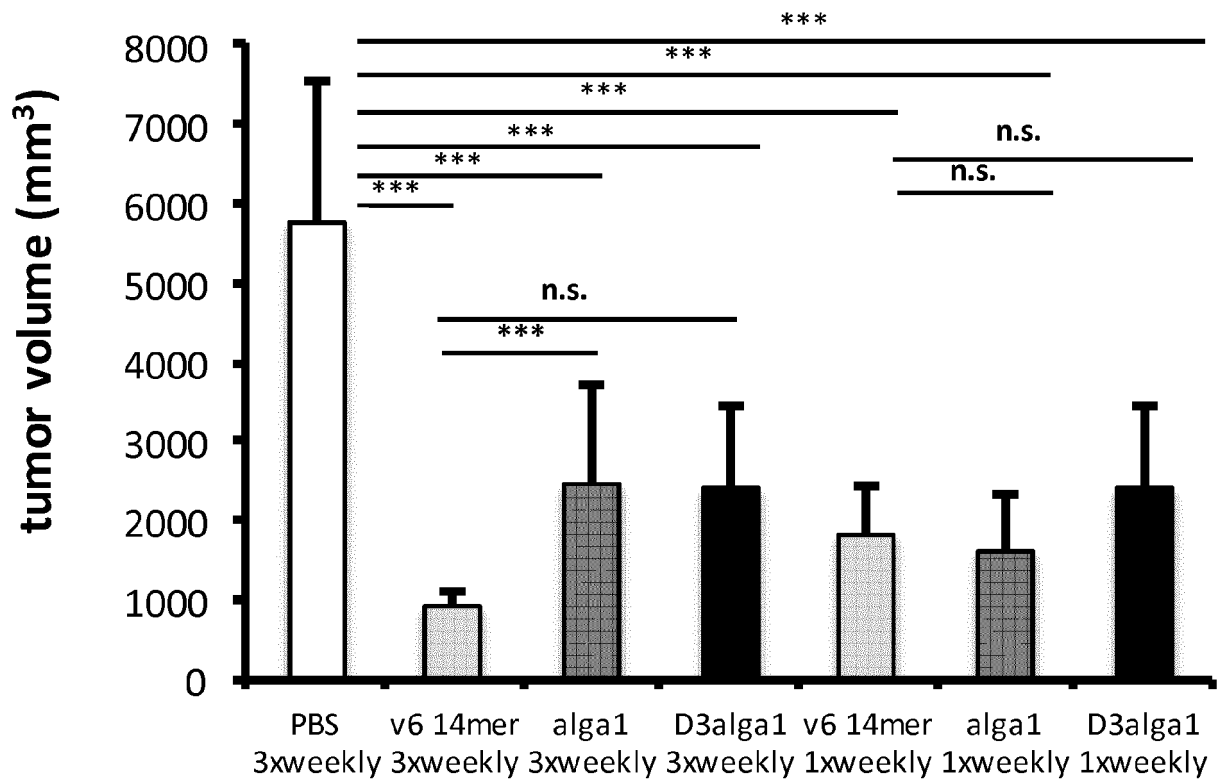


Figure 7 (continued)

B

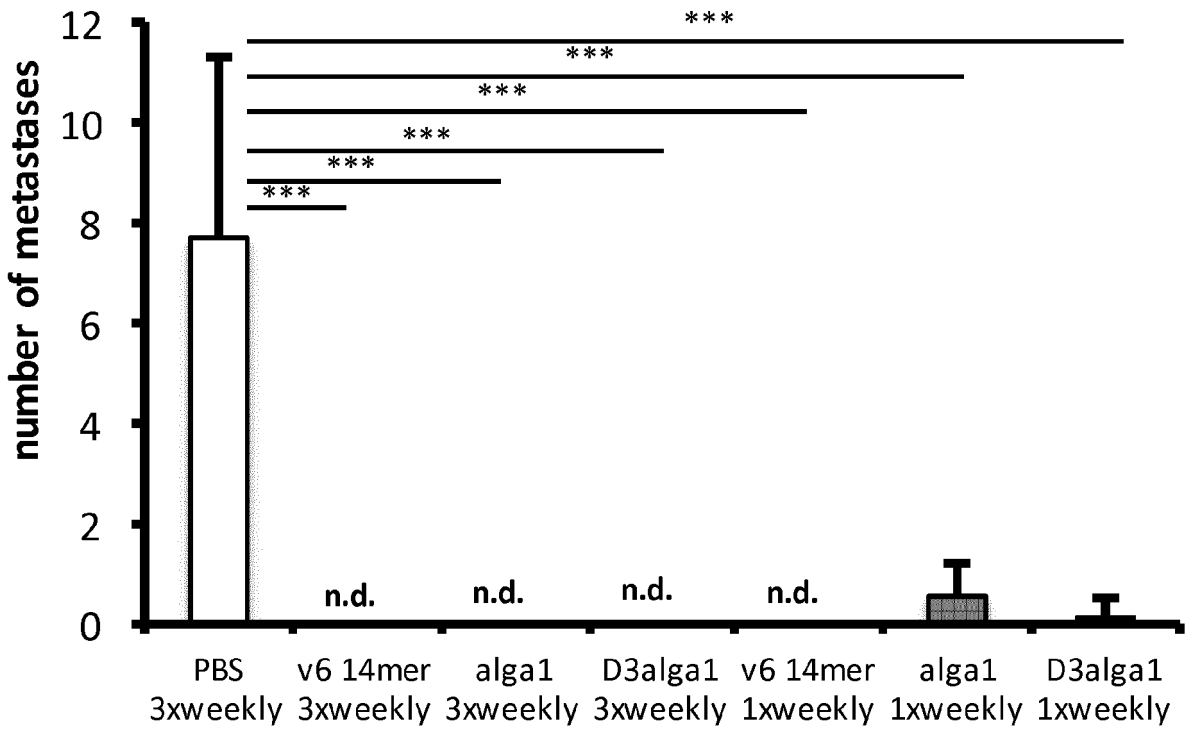


Figure 8

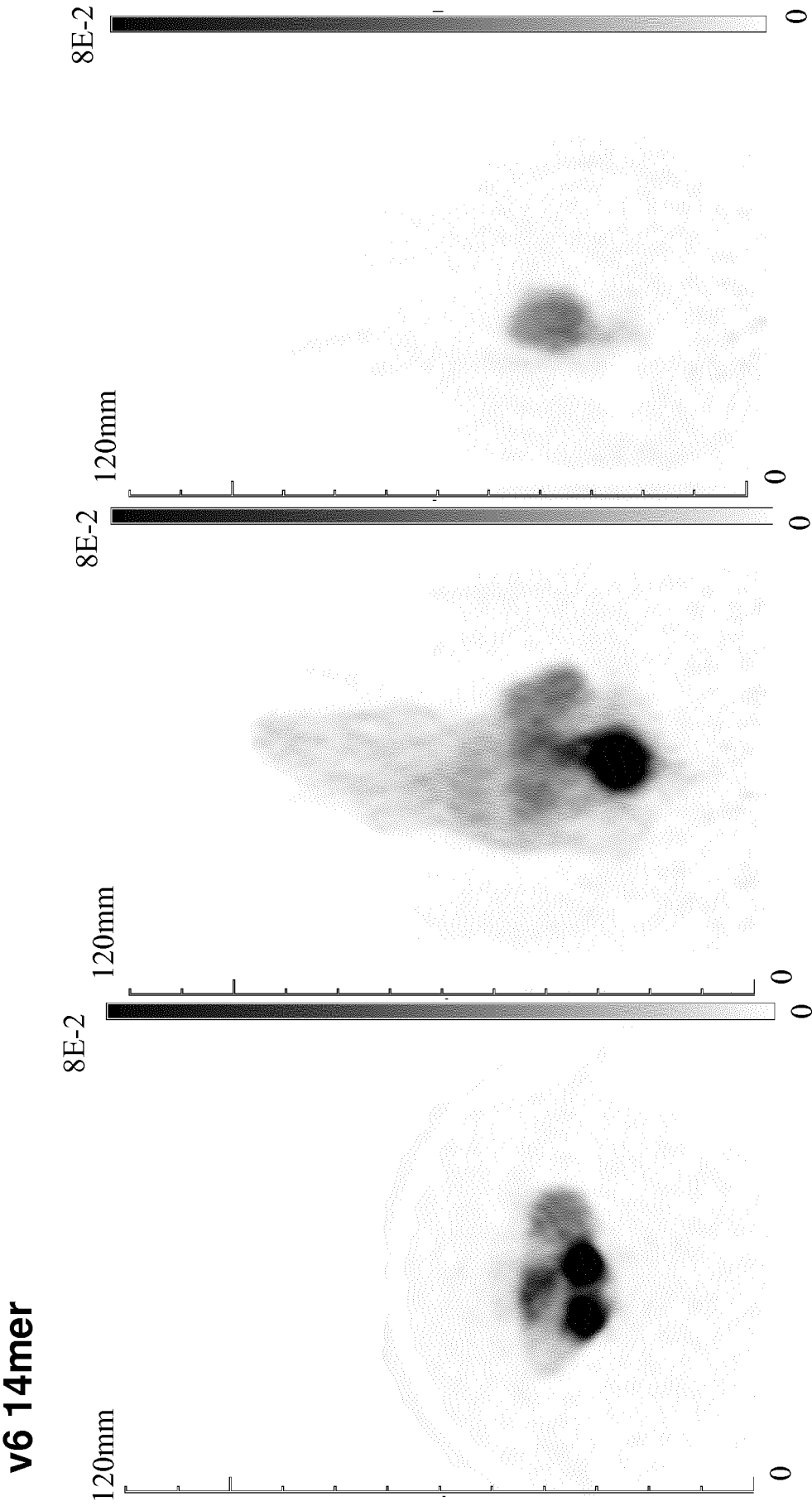


Figure 8
(continued)

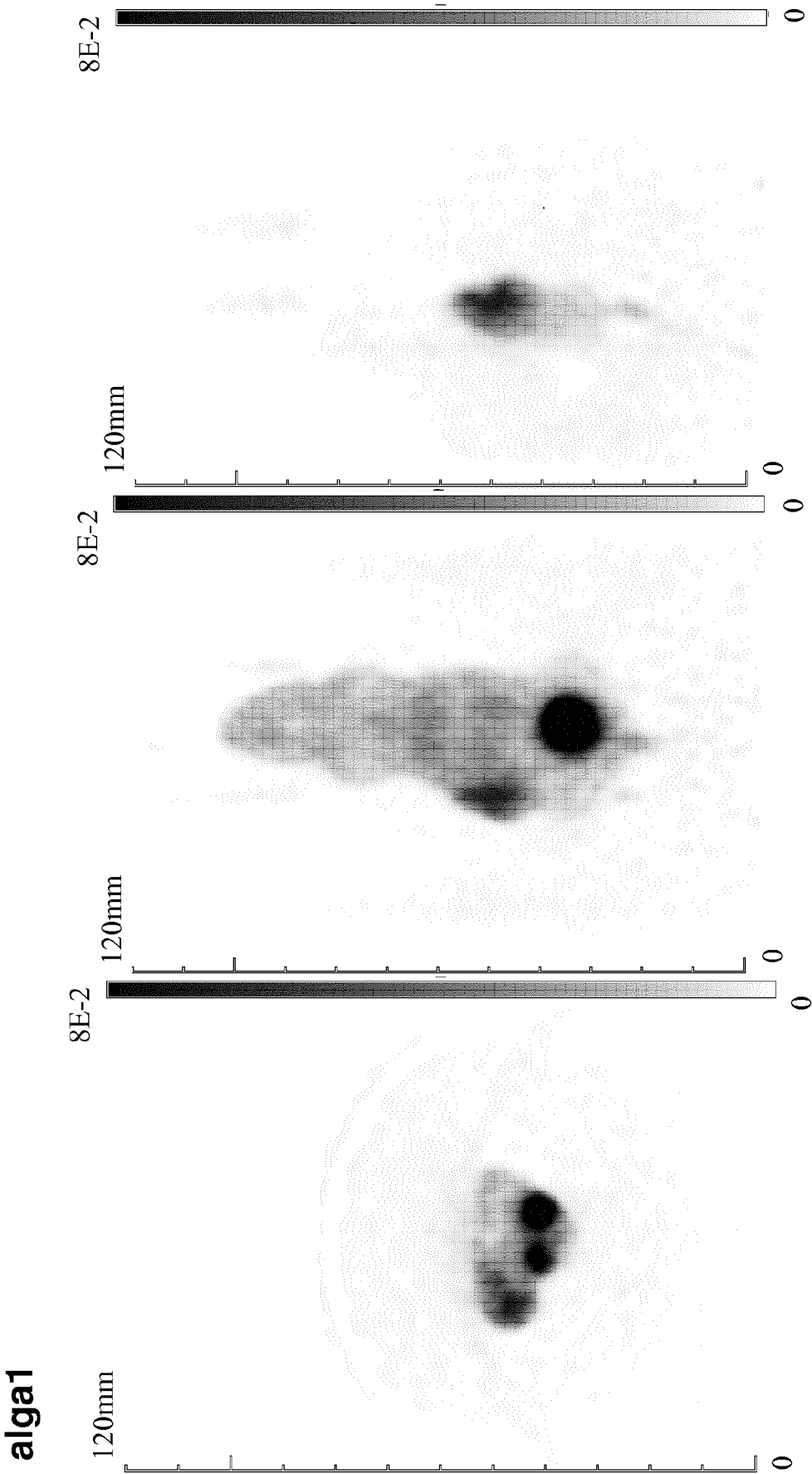


Figure 8
(continued)

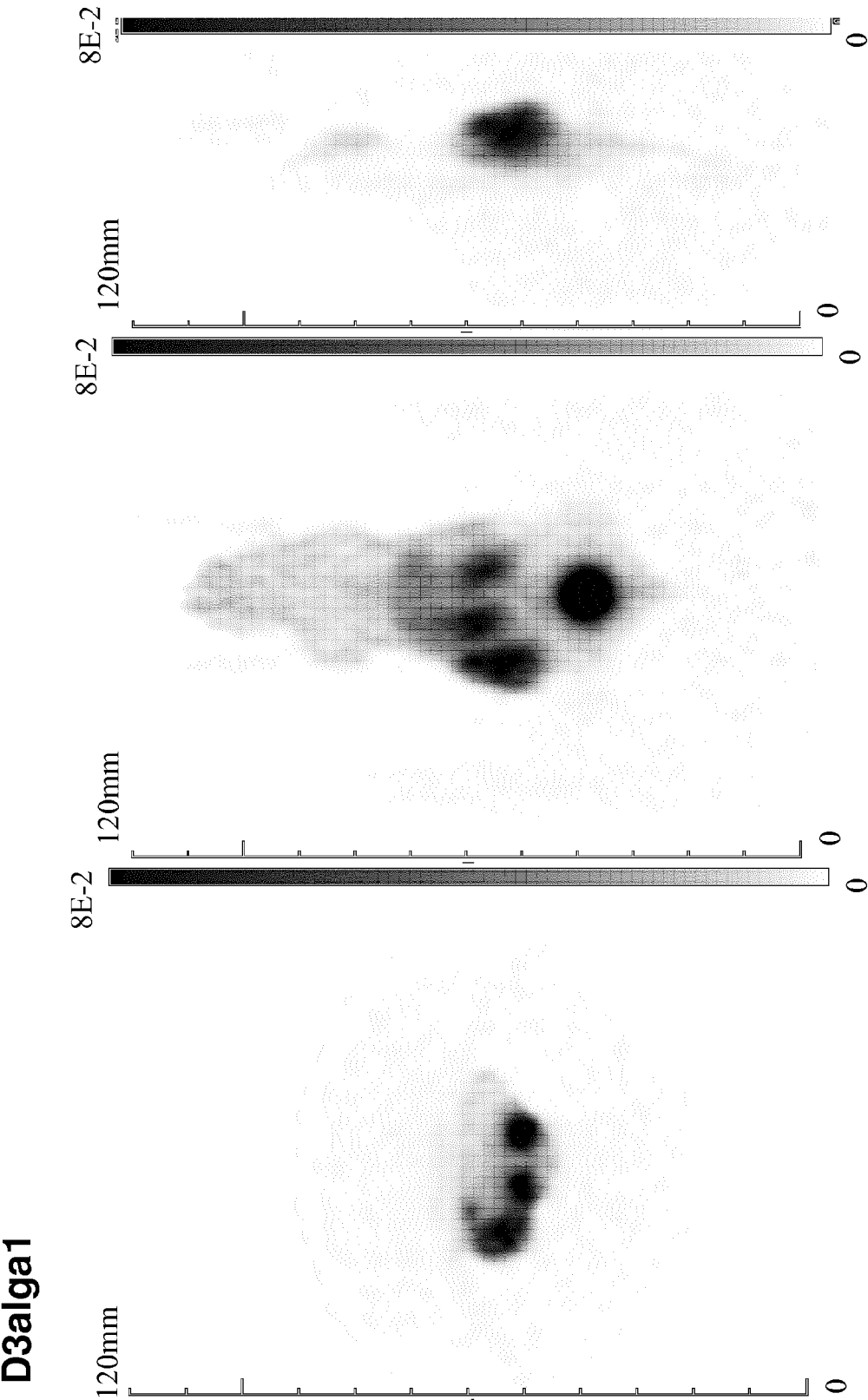


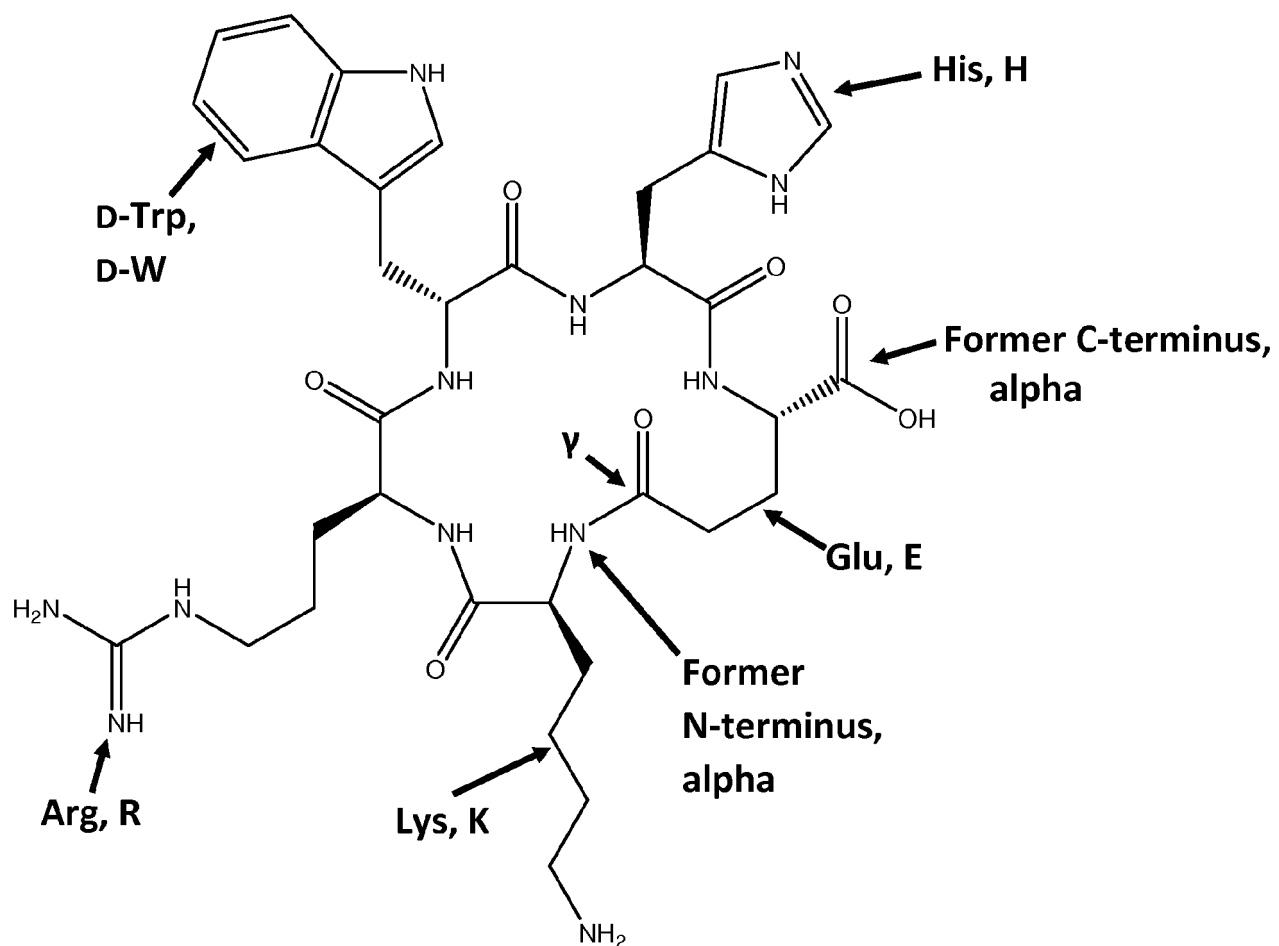
Figure 9**D3-alga1 (cy[α KRWHE γ])**

Figure 10

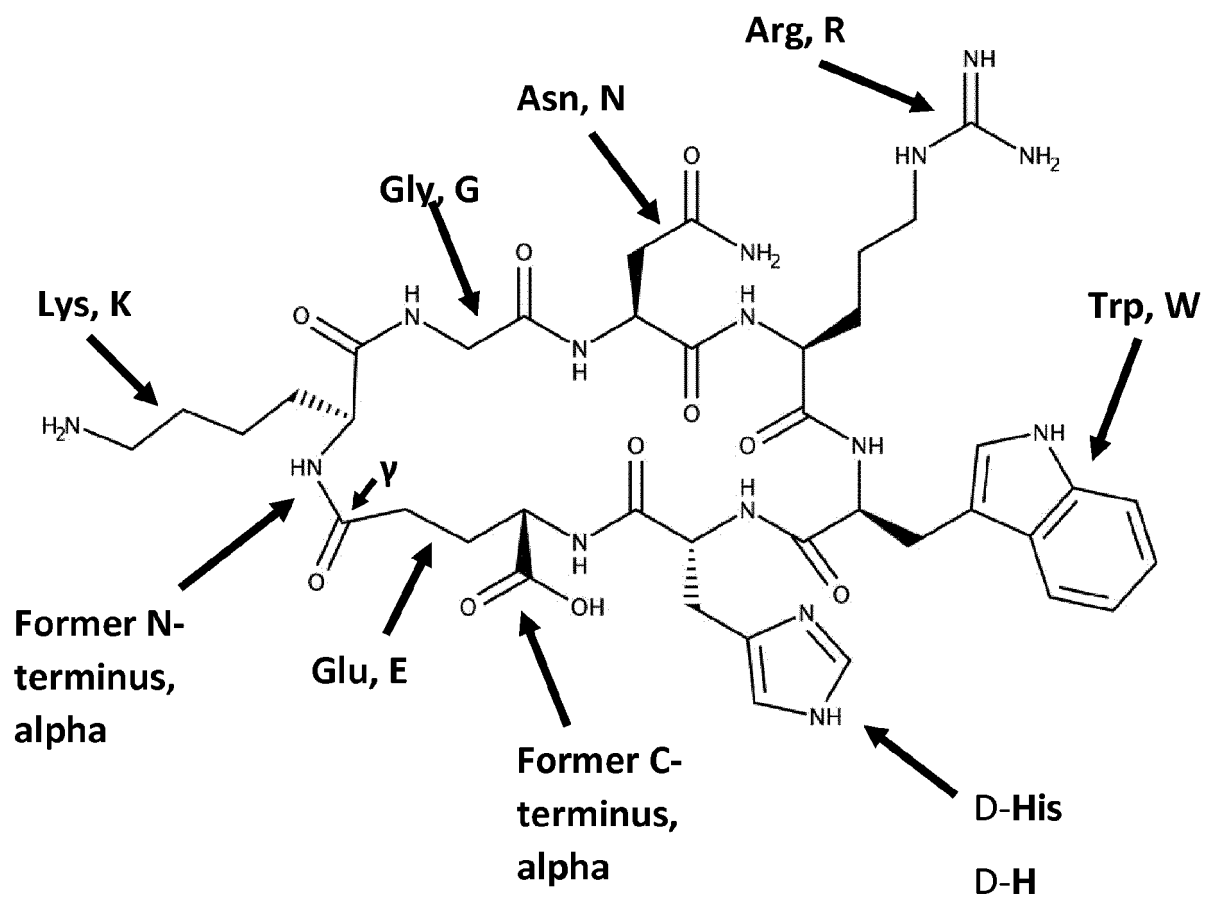
D6-alga3 (cy[α KGNRWHE γ])

Figure 11

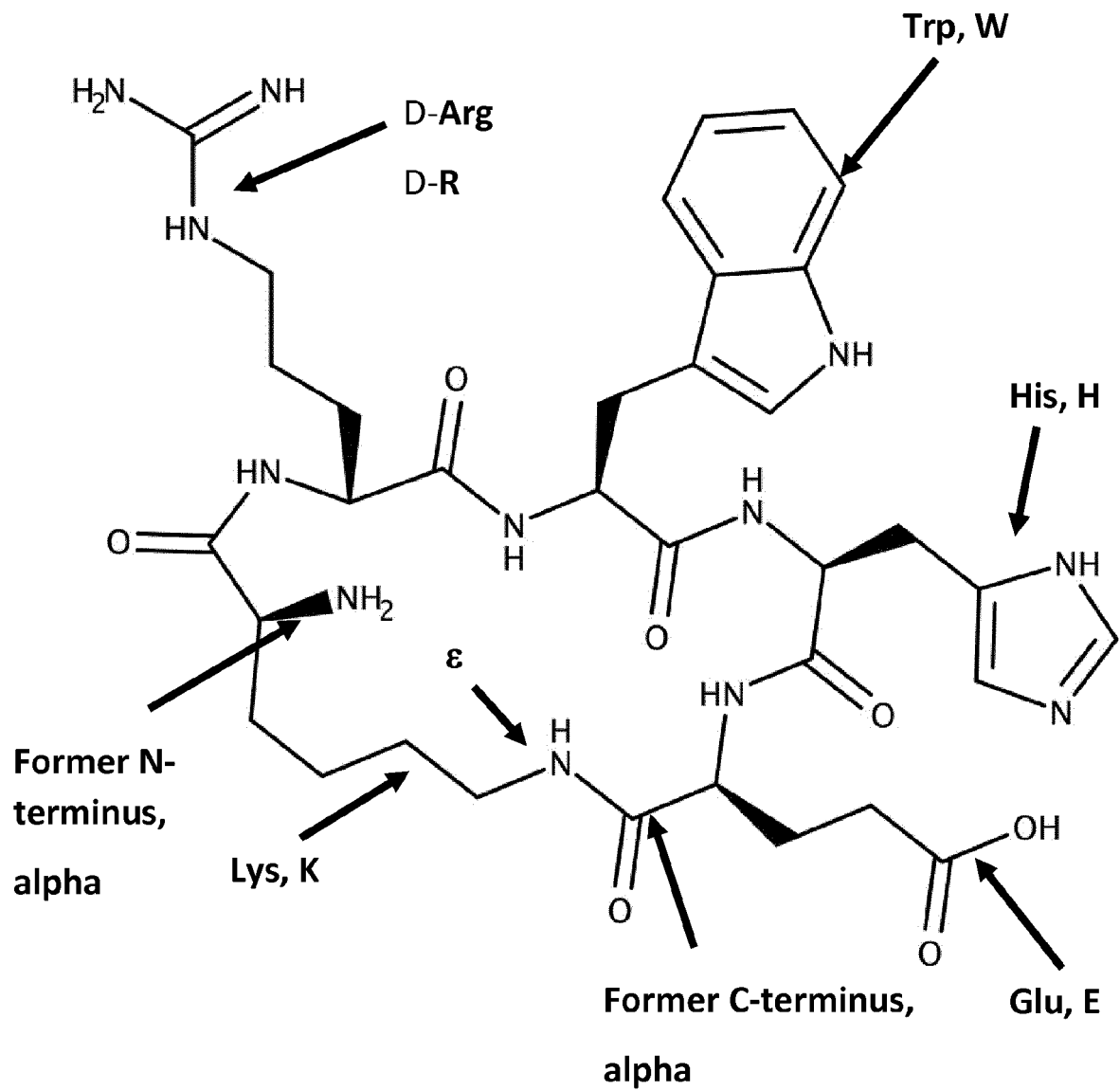
D2-epal1 (cy[ϵ KRWHE α])

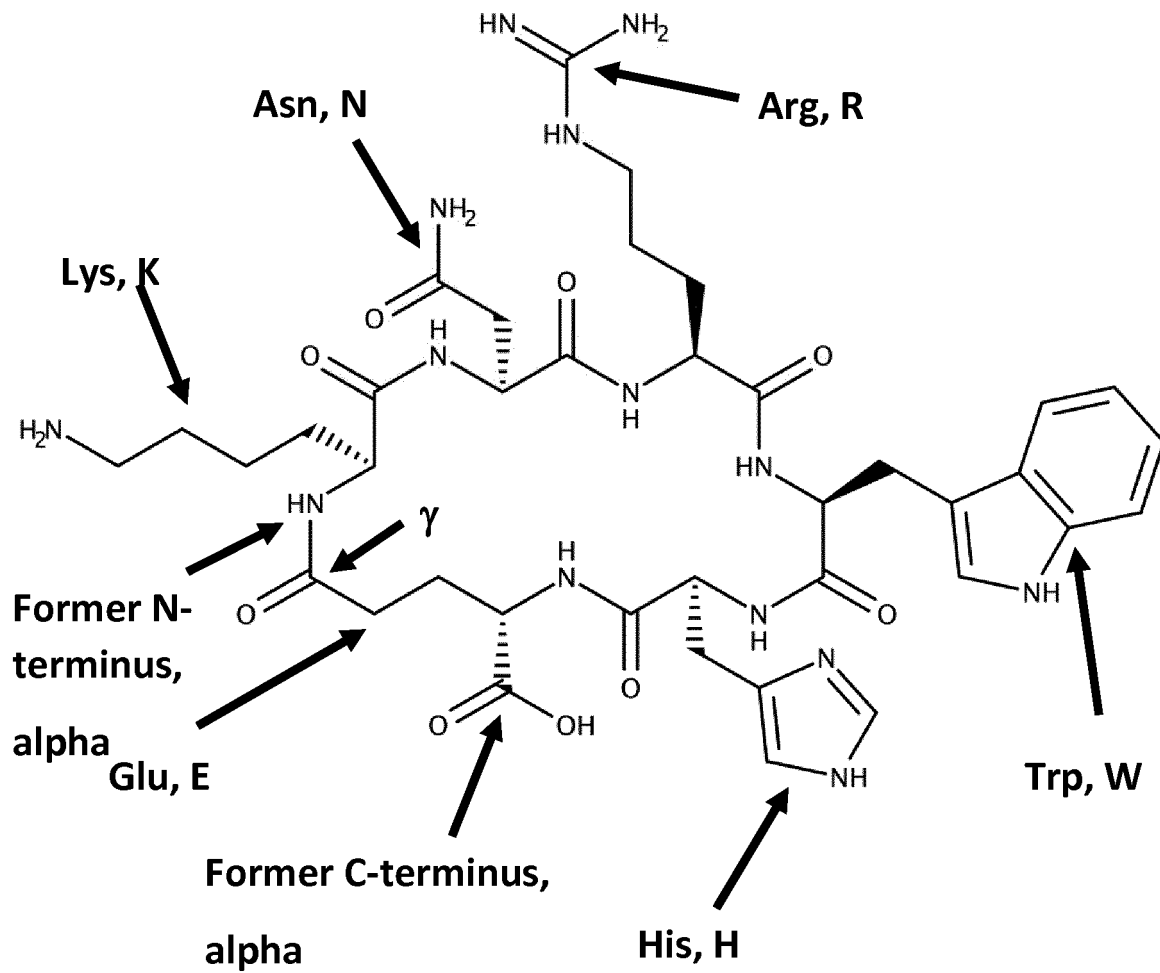
Figure 12**alga2 (cy[α KNRWHE γ])**

Figure 13

Name: D2-epga-1; Sequence: [ϵ K γ E]cy(KrWHE)-OH

Name: D3-epga-1; Sequence: [ϵ K γ E]cy(KRwHE)-OH

Name: D4-epga-1; Sequence: [ϵ K γ E]cy(KRWhE)-OH

Name: D2-epal-1; Sequence: [ϵ K α E]cy(KrWHE)

Name: D3-epal-1; Sequence: [ϵ K α E]cy(KRwHE)

Name: D4-epal-1; Sequence: [ϵ K α E]cy(KRWhE)

Name: D3-alga-2; Sequence: [α K γ E]cy(KNrWHE)-OH

Name: D4-alga-2; Sequence: [α K γ E]cy(KNRwHE)-OH

Name: D5-alga-2; Sequence: [α K γ E]cy(KNRWhE)-OH

Name: D4-alga-3; Sequence: [α K γ E]cy(KGNrWHE)-OH

Name: D5-alga-3; Sequence: [α K γ E]cy(KGNRwHE)-OH

Name: D6-alga-3; Sequence: [α K γ E]cy(KGNRWhE)-OH

Figure 14

Name: epga-1; Sequence: $[\epsilon K \gamma E]cy(KRWHE)-OH$

Name: epal-1; Sequence: $[\epsilon K \alpha E]cy(KRWHE)$

Name: alga-2; Sequence: $[\alpha K \gamma E]cy(KNRWHE)-OH$

Name: alga-3; Sequence: $[\alpha K \gamma E]cy(KGNRWHE)-OH$

Figure 15

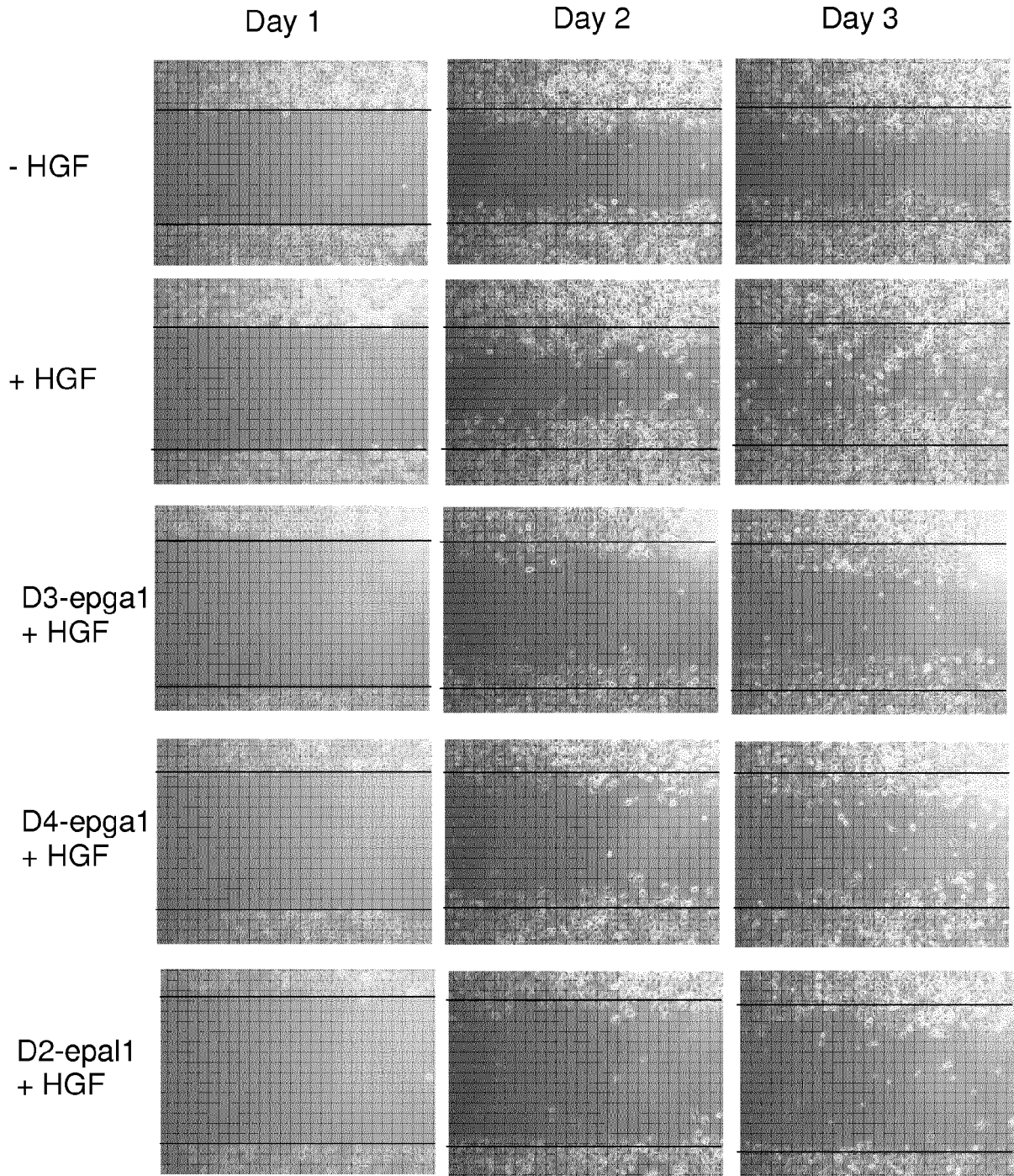


Figure 15 (continued)

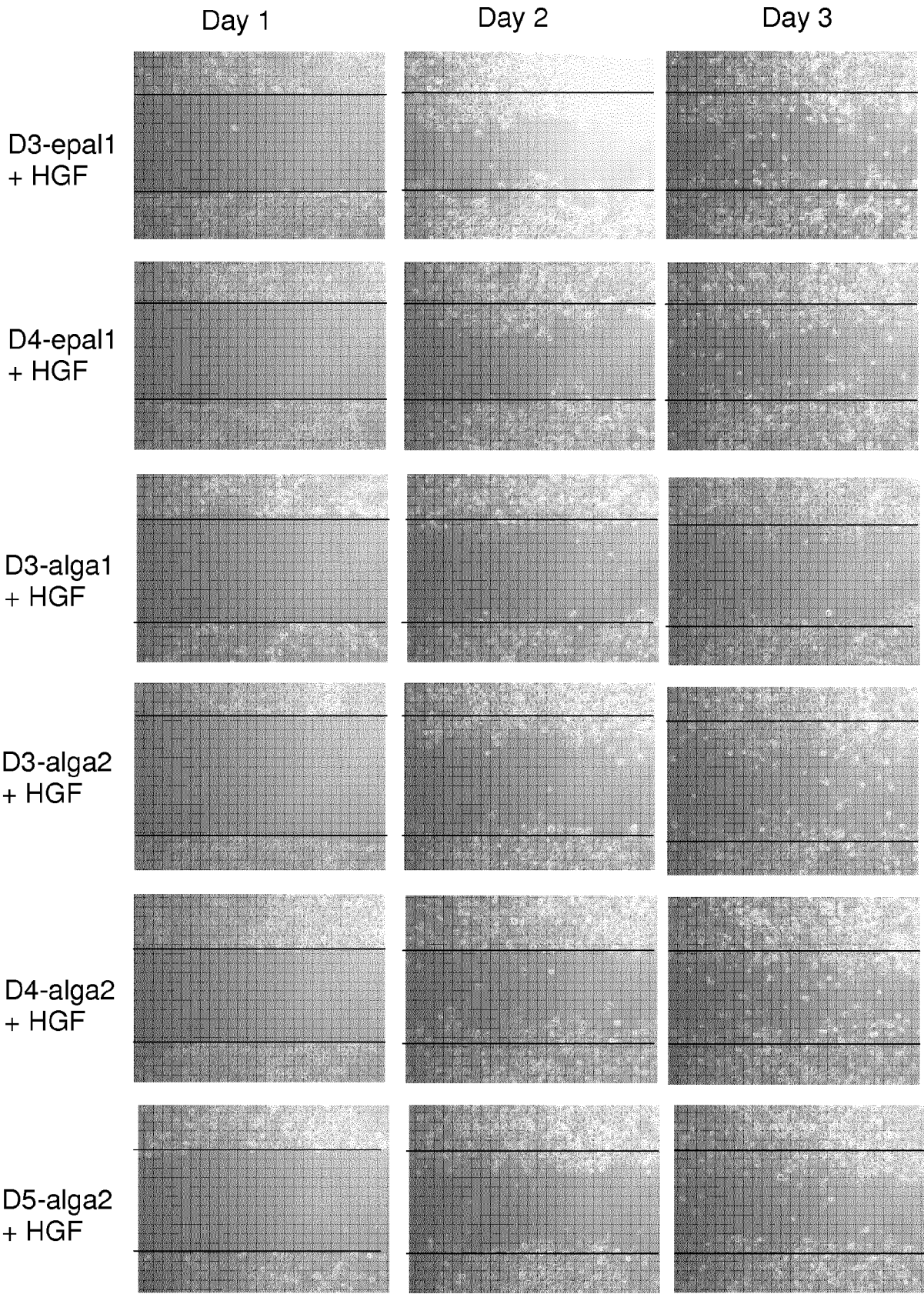


Figure 15 (continued)

